เอกสารอ้างอิง

Akedo, I., Ishikawa, H., Ioka, T., Kaji, I., Narahara, H., Ishiguro, S., Suzuki, T. and Otani, T. 2001. Evaluation of epithelial cell proliferation rate in normal-appearing colonic mucosa as a high-risk marker for colorectal cancer. *Cancer Epidemiology, Biomarkers & Prevention,* 10(9): 925–930.

Alao, J.P. 2007. The regulation of cyclin D1 degradation: roles in cancer development and the potential for therapeutic invention. *Molecular Cancer,* 2(6): 24.

Almadori, G., Bussu, F., Cadoni, G., Galli, J., Paludetti, G. and Maurizi, M. 2005. Molecular markers in laryngeal squamous cell carcionimas: Towards an integrated clinicobiology approach. *European Journal of Cancer*, 41(5): 683-693.

Avilion, A.A., Piatyszek, M.A., Gupta, J., Shay, J.W., Bacchetti, S. and Greider, C.W. 1996. Human telomerase RNA and telomerase activity in immortal cell lines and tumor tissues. *Cancer Research*, 56(3): 645–650.

Barthel, R. and Aberdam, D. 2005. Epidermal stem cells. *Journal of European Academy of Dermatology and Venereology,* 19(4): 405–413.

Biddle, W.C., Kuligowski, S., Filby, J., Hargen, T.C. and Lockwood, D.H. 1992. AmnioMax™-C100: A new specialized cell culture medium for the propagation of human amniocytes. *Focus*, 14(3): 80-85.

Brouty-Boýe, D., Kolonias, D., Savaraj, N. and Lampidis, T.J. 1992. Alpha-smooth muscle actin expression in cultured cardiac fibroblasts of newborn rat. *In Vitro Cellular and Developmental Biology,* 28A(4): 293-296.

Burry, R.W. 2000. Specificity controls for immunocytochemical methods. *The Journal of Histochemistry & Cytochemistry,* 48(2): 163–165.

Chassevent, A., Jourdan, M.L., Romain, S., Descotes, F., Colonna, M., Martin, P.M., Bolla, M. and Spyratos, F. 2001. S-phase fraction and DNA ploidy in 633 T1T2 breast cancers: A standardized flow cytometric study. *Clinical Cancer Research*, 7(4): 909-917.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Chen, D., Xu, W., Bales, E., Colmenares, C., Conacci-Sorrell, M., Ishii, S., Stavnezer, E., Campisi, J., Fisher, D.E., Ben-Ze'ev, A. and Medrano, E.E. 2003. SKI activates Wnt/ β-catenin signaling in human melanoma1. *Cancer Research,* 63(20): 6626-6634.

Colmenares, C., Heilstedt, H.A., Shaffer, L.G., Schwartz, S., Berk, M., Murray, J. C. and Stavnezer, E. 2001. Loss of the SKI proto-oncogene in individuals affected with 1p36 deletion syndrome is predicted by strain-dependent defects in Ski mice. *Nature Genetics*, 30(1): 106–109.

Cong, Y.S., Wright, W.E. and Shay, J.W. 2002. Human telomerase and its regulation. *Microbiology and Molecular Biology Reviews*, 66(3): 407-425.

Copi, P.D., Bartsch, G.J., Siddiqui, M.M., Xu, T., Santos, C.C., Perin, L., Mostoslavsky, G., Serre, A.C., Snyder, E.Y., Yoo, J.J., Furth, M.E., Soker, S. and Atala, A. 2007. Isolation of amniotic stem cell lines with potential for therapy. *Nature Biotechnology,* 25(1): 100–106.

Cremer, M., Treiss, I., Cremer, T., Hager, D. and Franke, W.W. 1981. Characterization of cells of amniotic fluids by immunological identification of intermediate-sized filaments: presence of cells of different tissue origin. *Human Genetic,* 59(4): 373-379.

Dasa, K. 2005. "*Effective of crude extracts of some medicinal plants in family annonaceae on HeLa cells and human amniotic cell lines*". M.S. Thesis, Chiang Mai University.

De la Haza, I., Cobo-Molinos, J., Garrido-García, M., Navas, J., Rueda, P., Torres, C., Caruz, A. and Esteban, F.J. 2005. Fractal dimension of U373 astrocytoma cells in DMEM or RPMI cultures. *Harmonic and Fractal Image Analysis*, 1: 94-96.

Delo, D.M, Coppi, D.P, Bartsch, G.J. and Atala, A. 2006. Amniotic fluid and placental stem cells. *Methods in Enzymology,* 419: 426-438. Review.

Dheda, K., Huggett, J.F., Bustin, S.A., Johnson, M.A., Rook, G. and Zumla, A. 2004. Validation of housekeeping genes for normalizing RNA expression in real-time PCR. *Biotechniques*, 37(7): 112-119.

Elias, P. 2007. *Stem cells discovered in amniotic fluid* [Online]. Available: http://www.usainternetpharmacy.org [2007, Jan 8].

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Fauza, D. 2004. Amniotic fluid and placental stem cell. *Best Practice & Research Clinical of Obstetrics and Gynecolology,* 18(6): 877-891.

Francis, J.M., Heyworth, C.M., Spooncer, E., Pierce A., Dexter, T.M. and Whetton A.D. 2000. Transforming Growth Factor-β1 induces apoptosis independently of *p53* and selectively reduces expression of *Bcl-2* in multipotent hematopoietic cells. *Journal of Biological Chemistry*, 275(50): 39137-39145.

Franke, W.W., Mayer, D., Schmid, E., Denk, H. and Borenfreund, E. 1981. Differences of expression of cytoskeleton proteins in cultured rat hepatocytes and hepatoma cells. *Experimental Cell Research,* 134(2): 345-365.

Franke, W.W., Moll, R., Schiller, D.L., Schmid, E., Kuhn, C., Krepler, R., Artlied, U. and Denk, H. 1983. Immunocytochemical identification of epithelium-derived human tumors with antibodies to desmosomal plaque proteins. *The Proceedings of National Acadamy of Sciences USA,* 80(2): 543-547.

Freshney, R.I. 2004. *Animal cell culture. A manual of Basic Technique*. Fourth edition. A John Willey and Sons, Inc., Publication. New York.

Fujikawa, T., Oh, S.H., Pi, L., Hatch, H.M., Shupe, T. and Peterson, B.E. 2005. Tetaroma formation leads to failure of treatment for type I diabetes using embryonic stem cell derived insulin-producing cells. *American Journal of Pathology,* 166(6): 1781-1791.

Fukuchi, M., Nakajima, M., Fukai, Y., Miyazaki, T., Masuda, N., Sohda, M., Manda, R., Tsukada, K., Kato, H. and Kuwano, H. 2004. Increased expression of *c-Ski* as a co-repressor in transforming growth factor-beta signaling correlates with progression of esophageal squamous cell carcinoma. *International Journal of Cancer,* 108(6): 818-824.

Gatter, K.C., Dunnill, M.S., Muijen, G.N. and Mason, D.Y. 1986. Human lung tumours may coexpress different classes of intermediate filaments. *Journal of Clinical Pathology,* 39(9): 950-954.

Georges-Labouesse, E., Messaddeq, N., Yehia, G., Cadalbert, L., Dierich, A. and Le Meur, M. 1996. Absence of integrin alpha 6 leads to epidermolysis bullosa and neonatal death in mice. *Nature Genetics,* 13(3): 370-373.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Gillett, C., Smith, P., Gregory, W., Richards, M., Millis, R., Peters, G. and Barnes, D. 1996. Cyclin D1 and prognosis in human breast cancer. *Internaltional Journal of Cancer*, 69(2): 92-99.

Gimotty, P.A., Belle, P.V., Elder, D.E., Murry, T., Montone, K.T., Xu, X., Hotz, S., Raines, S., Ming, M.E., Wahl, P. and Guerry, D. 2005. Biologic and prognostic significance of dermal Ki67 expression, mitoses, and tumorigenicity in thin invasive cutaneous melanoma. *Jounal of Clinical Oncology*, 23(31): 8048-8056.

Gosden, C.M. 1983. Amniotic fluid cell types and culture. *British Medical Bulletin,* 39(4): 348-354.

Gu, Y.C., Kortesmaa, J. and Tryggvason, K. 2003. Laminin isoform-specific promotion of adhesion and migration of human bone marrow progenitor cells. *Blood*, 101(3): 877-885.

Hahn, W.C., Counter, C.M., Lundberg, A.S., Beijersbergen, R.L., Brooks, M.W. and Weinberg, R.A. 1999. Creation of human tumour cells with defined genetic elements. *Nature*, 400(6743): 464–468.

Hanson, C. and Caisander, G. 2005. Human embryonic stem cells and chromosome stability. *Acta Pathologica, Microbiologica et Immunologica Scandinavica,* 113 (11-12): 751-755. Review.

Hertle, M.D., Adams, J.C. and Watt, F.M. 1991. Integrin expression during human epidermal development *in vivo* and *in vitro*. *Development (Camb.),* 112(1): 193-209.

Hirota, T., Kondoh, T., Matsumoto, T., Jinno, Y. and Niikawa, N. 1989. Microextraction of DNA from whole blood and amniocytes. *Japan Journal of Human Genetics*, 34(3): 217-223.

Hoehn, H. and Salk, D. 1982. Morphological and biochemical heterogeneity of amniotic fluid cells in culture. *Methods in Cell Biology,* 26: 11-34.

Howard, R.B., Shroyer, K.R., Marcell, T., Swanson, L.E., Pagura, M.E., Mulvin, W.D., Cowen, M.E. and Johnston, M.R. 1994. Time-related effects of enzymatic disaggregation on model human lung carcinomas. *International Society for Analytical Cytology*, 19(2): 146-153.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Inohara, S., Kitagawa, K. and Kitano, Y. 1996. Expression of cyclin D1 and p53 protein in various malignant skin tumors. *Dermatology,* 192(2): 94-98.

Ito, M., Minamiya, Y., Kawai, H., Saito, S., Saito, H., Nakagawa, T., Imai, K., Hirokawa, M. and Ogawa, J. 2006. Tumor-derived TGF beta-1 induces dendritic cell apoptosis in the sentinel lymp node. *Journal of Immunology,* 176(9): 5637-5643.

Ivanova, N.B., Dimos, J.T. and Schaniel, C. 2002. A stem cell molecular signature. *Science*, 298(5593): 601–604.

Jenner K., Darnton, S.J., Billingham, L., Warfield, A.T. and Matthews H.R. 1996. Tumour heterogeneity: a problem in biopsy assessment of the proliferation index of oesophageal adenocarcinomas. *Journal of Clinal Patholology: Molegular Pathology*, 49(1): 61-63.

Jemino, A., Kulesza, P., Wheelhouse, J., Chan, A., Zhang, X., Kincaid, E., Chen, R., Clark, D.P., Forastiere, A. and Hidalgo, M. 2007. Dual EGFR and mTOR targeting in squamous cell carcinoma models, and development of early markers of efficacy. *British Journal of Cancer,* 96(6): 952-959.

Jones, P.H. and Watt, F.M. 1993. Separation of human epidermal stem cells from transit amplifying cells on the basis of differences in integrin function and expression. *Cell*, 73(4): 713-724.

Jones, P.H., Harper, S. and Watt, F.M. 1995. Stem cell patterning and fate in human epidermis. *Cell*, 80(1): 83-93.

Kaghad, M., Bonnet, H., Yang, A., Creancier, L., Biscan, J. C., Valent, A., Minty, A., Chalon, P., Lelias, J. M., Dumont, X., Ferrara, P., McKeon, F. and Caput, D. 1997. Monoallelically expressed gene related to p53 at 1p36, a region frequently deleted in neuroblastoma and other human cancers. *Cell*, 90(4): 809 –819.

Kakishita, K., Nakao, N., Sakuragawa, N. and Itakura, T. 2003. Implantation of human amniotic epithelial cells prevents the degeneration of nigral dopamine neurons in rats with 6-hydroxydopamine lesions. *Brain Research*, 980(1): 48–56.

Kaviani, A., Guleserian, K., Perry, T.E., Jennings, R.W., Ziegler, M.M. and Fauza, D. 2003. Fetal Tissue Engineering from Amniotic Fluid. *The American College of Surgeons*, 196(4): 592-597.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Kim, J., Lee, Y., Kim, H., Hwang, K.J., Kwon, H.C., Kim, S.K., Cho, D.J., Kang, S.G. and You, J. 2007. Human amniotic fluid-derived stem cells have characteristics of multipotent stem cells. *Cell Proliferation,* 40(1): 75-90.

Kim, N.W., Piatyszek, M.A., Prowse, K.R., Harley, C.D., West, M.D., Ho, P.L., Coviello, G.M., Wright, W.E., Weinrich, S.L. and Shay, J.W. 1994. Specific association of human telomerase activity with immortal cells and cancer. *Science,* 266(5193): 2011–2015.

Knutsen, T. 1990. *AmnioMax™ product information*. International Cytogenetic Laboratory Directory. Asscociation of Cytogenetic Technologists.

Krupnov, P. and De Ranieri, M. 2008. *Cell replication* [Online]. Available: http://bhs.smuhsd.org/bhsnew/academicprog/science/vaughn/Student%20Projects/Paul%20&%20Marcus/Cell_Replication.html [2008, Sep 1].

Kubota, H., Storms, R.W. and Reid, L. 2002. Varaint form of α-fetoprotein transcripts expressed in human hematopoietic progenitors. *Journal of Biological Chemistry,* 277(31): 27629-27635.

Li, A., Simmons, P.J. and Kaur, P. 1998. Identification and isolation of candidate human keratinocyte stem cells based on cell surface phenotype. *Proceedings of the National Academy of Sciences USA,* 95(7): 3902-3907.

Li, D.X., Geng, H.Q., Pan, J, Xie, H. and Chen, F. 2005. Amniotic fluid: a novel source for tissue engineering. *Zhonghua Yi Xue Za Zhi,* 85(7): 464-467.

Liang, S.B., Furihata, M., Takeuchi, T., Iwata, J., Chen, B.K., Sonobe, H. and Ohtisuki, Y. 2000. Overexpression of cyclin D1 in nonmelanocytic skin cancer. *Virchows Arch*, 436(4): 370-376.

Maitra, A., Arking, D.E., Shivarpurkar, N., Ikeda, M., Stastny, V., Kassauei, K., Sui, G., Cutler, D.J., Liu, Y., Brimble, S.N., Noaskson, K., Hynttner, J., Schutz, T.C., Zeng, X., Freed, W.J., Crook, J., Abraham, S., Colman, A., Sartipy, P., Matsui, S., Carpenter, M., Gazdar, A.F., Rao, M. and Chakravarti, A. 2005. Genomic alterations in cultured human embryonic stem cells. *Nature Genetics,* 37(10): 1099-1102.

McLaughlin, D., Tsirimonaki, E., Vallianatos, G., Sakellaridis, N., Chatzistamatiou, T., Stavropoulos-Gioka, C., Tsezou, A., Messinis, I. and Mangoura, D. 2006. Stable expression of a neuronal dopaminergic progenitor phenotype in cell lines derived

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

from human amniotic fluid cells. *Journal of Neuroscience Research,* 83(7): 1190-1200.

Miranda, R.N., Briggs, R.C., Kinney, M.C, Veno, P.A., Hammer, R.D. and Cousar, J.B. 2000. Immunohistochemical detection of cyclin D1 using optimized conditions is highly specific for mantle cell lymphoma and hairy cell leukemia. *Modern Pathology,* 13 (12): 1308–1314.

Musgrove, E.A. 2006. Cyclins: roles in mitogenic signaling and oncogenic transformation. *Growth Factors,* 24(1): 13-19.

Nomura, N., Sasamoto, S., Ishii, S., Date, T., Matsui, M. and Ishizaki, R. 1989. Isolation of human cDNA clones of ski and the ski-related gene, *sno*. *Nucleic Acids Research,* 17(4): 5489–5500.

Osborn, M., Franke, W.W. and Weber, K. 1980. Direct demonstration of presence of two immunologically distinct intermediate-sized filament systems in the same cell by double immunofluorescence microscopy, vimentin and cytokeratin fibers in cultured epithelial cells. *Experimental Cell Research,* 125(1): 37-46.

Perng, Y.P., Lin, C.C., Perng, I.M., Shen, Y.C., Chuang, C.K. and Liao, S.K. 1997. Culture medium of melanoma cells associated with change sensitivity to lysis by lymphokine-activated killer cells. *Cancer Biother Radiopharmacy,* 12(5): 317-313.

Prezioso, J.A., Wang, N., Duty, L., Bloomer, W.D. and Gorelik, E. 1993. Enhancement of pulmonary metastasis formation and γ-glutamyl transpeptidase activity in B16 melanoma induced by differentiation *in vitro*. *Clinical Experiment of Metastasis*, 11(3): 263-274.

Prusa, A.R. and Hengstschläger, M. 2002. Amniotic fluid cells and human stem cell research– a new connection. *Medical Science Monitor,* 8(11): RA 253-257.

Prusa, A.R., Marton, E.,Rosner, M., Bernaschek, G. and Hengstschläger, M. 2003. Oct-4-expressing cells in human amniotic fluid: a new source for stem cell research?. *Human Reproduction*, 18(7): 1489-1493.

Ramalho-Santos, M., Yoon, S., Matsuzaki, Y., Mulligan, R.C. and Melton, D.A. 2002. 'Stemness': transcriptional profiling of embryonic and adult stem cells. *Science*, 298(5593): 597–600.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Reed, J. A., Bales, E., Xu, W., Okan, N. A., Bandyopadhyay, D. and Medrano, E. E. 2001. Cytoplasmic localization of the oncogenic protein ski in human cutaneous melanomas in vivo: functional implications for transforming growth factor _ signaling. *Cancer Research,* 61(22): 8074–8078.

Rodeck, U., Bossler, A., Graeven, N., Fox, F.E., Nowell, P.C., Knabbe, C. and Kari, C. 1994. Transforming growth factor beta production and responsiveness in normal human melanocytes and melanoma cells. *Cancer Research,* 54(2): 575-581.

Sangngam, S. 2005. "Culture of amniotic cell lines for laboratory application". M.S. Independence study, Chiang Mai University.

Sangngam, S. 2007. "Establishment and study of some characteristics of human amniotic cell lines". M.S. Thesis, Chiang Mai University.

Sato, J.D., Mikio, K., Bonifacino, J.S., Dasso, M., Harford, J.B., Lippincott-Schwartz, J. and Yamada, K.M. 2003. *Media for culture of mammalian cells. Current Protocols in cell biology*. A John Willey and Sons, Inc., Publication. New York.

Shay, J.W. and Bacchetti, S. 1997. A survey of telomerase activity in human cancer. *European Journal of Cancer*, 33(5): 787-791.

Silver, N., Best, S., Jiang, J. and Thein, S.L. 2006. Selection of house keeping genes for gene expression studies in human reticulocytes using real-time PCR. *BMC Molecular Biology,* 7(33).

Stravroulaki, M., Kardassis, D., Chatzaki, E., Sakellaris, G., Lindschau, C., Haller, H., Tosca, A. and Krasagakis, K. 2008. Exposure of human melanocytes to a tumor promoting phorbol ester reverses growth suppression by transforming growth factor beta. *Journal of Physiology,* 214(2): 363-370.

Strulovici, Y., Leopold, P.L., O'Connor T.P., Pergolizzi R.G. and Crystal R.G. 2007. Human embryonic stem cells and gene therapy. *Molecular Therapy,* 15 (5): 850–866.

Thellin, O., Zorzi, W., Lakaye, B., De Borman, B., Coumans, B., Hennen, G., Grisar, T., Igout, A. and Heinen, E. 1999. Housekeeping genes as internal standards: use and limits. *Journal of Biotechnology*, 75(2-3): 291-295.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

Tsai, M.S., Lee, J.L., Chang, Y.J. and Hwang, S.M. 2004. Isolation of human multipotent mesenchymal stem cells from second-trimester amniotic fluid using a novel two-stage culture protocol. *Human Reproduction,* 19(6): 1450-1456.

Tsai, M.S., Hwang, S.M., Tsai, Y.L., Cheng, F.C., Lee, J.L. and Chang, Y.J. 2005. Clonal amniotic fluid-derived stem cells express characteristics of both mesenchymal and neural stem cells. *Biology of Reproduction*, 74(3): 545–551.

Turnpenny, L., Brickwood, S., Spalluto, C.M., Piper, K., Cameron, I.T., Wilson, D.I. and Hanley, N.A. 2003. Derivation of human embryonic germ cells: an alternative source of pluripotent stem cells. *Stem Cells,* 21(5): 598-609.

Utikal, J., Udart, M., Leiter, U., Peter, R.U. and Krahn, G. 2005. Additional Cyclin D(1) gene copies associated with chromosome 11 aberrations in cutaneous malignant melanoma. *International Journal of Oncology,* 26(3): 597-605.

Wachtel, E., Gordon, H. and Olsen, G. 1969. Cytology of amniotic fluid. BJOG: *An International Journal of Obstetrics and Gynaecology.* 76: 596–602.

Wisedkaew, P. 2004. "Some characteristics of amniocytic cell lines, AMC-K46 and AC-F2". B.S. Independence study, Chiang Mai University.

Woodbury, D., Kramer, B.C., Reynolds, K., Marcus, A.J., Coyne, T.M. and Black, I.B. 2006. Long-term cryopreserved amniocytes retain proliferative capacity and differentiate to ectodermal and mesodermal derivatives in vitro. *Molecular Reproduction and Development,* 73(11): 1463-1472.

Yamamoto, M., Tamakawa, S., Yoshie, M., Yaginuma, Y. and Ogawa, K. 2006. Neoplastic hepatocyte growth associated with cyclin D1 redistribution from the cytoplasm to the nucleus in mouse hepatocarcinogenesis. *Molecular Carcinogenesis*, 45(12): 901-913.

Zhou, Z., Doi, M. And Wang, J. 2004. Deletion of laminin-8 results increased tumor neovascularization and metastasis in mice. *Cancer Research,* 64(12): 4059-4063.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved