
PPAR γ ligandによる消化器癌細胞増殖・浸潤転移の
制御メカニズム

(16590568)

平成16年度～平成17年度科学研究費補助金
(基盤研究(C))

研究成果報告書

平成18年5月

研究代表者 奥村利勝

旭川医科大学医学部教授

研究組織

研究代表者： 奥村利勝 (旭川医科大学医学部教授)
研究分担者： 丹野誠志 (旭川医科大学医学部講師)

交付決定額 (配分額)

	直接	間接	合計 (千円)
平成16年度	2400	0	2400
平成17年度	1200	0	1200
総計	3600	0	3600

研究発表

(1) 学会誌等

Habiro A, Tanno S, Koizumi K, Izawa T, Nakano Y, Osanai M, Mizukami M, Okumura T, and Kohgo Y. Involvement of p38 mitogen-activated protein kinase in gemcitabine-induced apoptosis in human pancreatic cancer cells. *Biochem Biophys Res Commun* 316: 71-77, 2004

Tanno S, Yanagawa N, Habiro A, Koizumi K, Nakano Y, Osanai M, Mizukami Y, Okumura T, Testa JR, and Kohgo Y. Serine/threonine Kinase AKT is frequently activated in human bile duct cancer and is associated with increased radioresistance. *Cancer Res* 64, 3486-3490, 2004.

Motomura W, Nagamine M, Tanno S, Sawamukai M, Takahashi N, Kohgo Y, Okumura T. Inhibition of cell invasion and morphological change by troglitazone in cultured human pancreatic cancer cells. *J Gastroenterol* 39, 461-468, 2004

Motomura W, Tanno S, Takahashi N, Nagamine M, Fukuda M, Kohgo Y, Okumura T. Involvement of MEK-ERK signaling pathway in the inhibition of cell growth by troglitazone in human pancreatic cancer cells. *Biochem Biophys Res Commun* 332 :89-94, 2005

Koizumi K, Tanno S, Nakano Y, Habiro A, Izawa T, Mizukami Y, Okumura T, Kohgo Y. Activation of p38 Mitogen-Activated Protein Kinase is Necessary for Gemcitabine-Induced Cytotoxicity in Human Pancreatic Cancer Cells. *Anticancer Res* 25:3347-53, 2005.

Inoue M, Ohtake T, Motomura W, Takahashi N, Hosoki Y, Miyoshi S, Suzuki Y, Saito H, Kohgo Y, Okumura T. Increased expression of PPAR γ in high fat diet-induced liver steatosis in mice. *Biochem Biophys Res Commun* 336, 215-222, 2005

Motomura W, Inoue M, Ohtake T, Takahashi N, Nagamine M, Tanno S, Kohgo Y, Okumura T. Up-regulation of ADRP in fatty liver in human and liver steatosis in mice fed with high fat diet. *Biochem Biophys Res Commun* 340, 1111-1118, 2006