

Condition	Level of investigation	Main finding	
Breast Cancer	Tissutal Protein	associated with poor disease-free and overall survival	Lee et al; 2011
Postmenopausal breast cancer (PBC)	Serum level	Elevated (associated with risk of PBC)	Dalamaqa et al; 2011
Gastric cancer	Tissutal Protein and mRNA	increased	Bi et al, 2011
	Serum level	Increased (positive correlation with stage progression)	Nakajima et al; 2009
	Tissutal Protein	Increased (correlation with VEGF-A expression; negatively correlated with survival)	Long HL et al., 2012
Lymphomas	Tissutal Protein	increased (highly expressed in Hodgkin's lymphoma)	Olesen et al; 2011
Prostate cancer	Tissutal Protein	increased	Patel et al; 2010
Ovarian cancer	Tissutal Protein	increased	Shackelford et al; 2011
Colorectal cancer	Blood level	Increased (correlated with stage progression)	Nakajima et al; 2010
Malignant astrocytomas: anaplastic astrocytoma (AA; grade III) and Glioblastoma (GBM; grade IV)	Serum level Tissutal Protein and mRNA	Increased (correlated with tumor grade; co-expression with p53 in GBM tissue was associated with poor survival)	Reddy et al; 2008
Esophageal cancer	Serum levels; Tissutal mRNA	Increased (independent factor of mortality)	Takahashi et al; 2010
melanoma	Tissutal Protein and mRNA	Increased (indipendent on BRAF mutations and Clark's levels)	Maldi et al., 2012

CANCER TYPE	Main finding	Experimental Model	Ref
Multiple Myeloma	Cytotoxic (autophagy) Anti-tumour activity	Cell lines/xenograft	Cea M., et al. 2012 Cea M., et al. 2012
Breast cancer	Cytotoxic in combination with olaparib Increase anti-tumoural potential of olaparib in xenograft (reduction tumour volume)	Cell lines/xenograft	Bajrami I., et al. 2012
Leukemia	Cytotoxic in myeloid leukemic cells (correlation with p53 function and acetylation) Cytotoxic alone or in combination with MNNG, Ara-C, daunorubicin and melphalan Cytotoxic alone or in combination with sirtinol, cambinol and EX527 Cytotoxic (apoptosis) Synergism with TRAIL (apoptosis)	Cell lines Cell lines Cell lines/human primary cells Cell lines Cell lines/human primary cells	Thakur BK., et al. 2013 Pogrebniak A., et al. 2006 Cea M., et al. 2011 Hasmann et al. 2003; Nahimana et al., 2009 Zoppoli et al., 2010
Non-small cell lung (NSCL) cancer	Cytotoxic (correlation with EGFR mutation) Anti-tumour activity	Cell lines/ xenograft	Okumura S., et al. 2012
Gastric cancer	Cytotoxic alone or in combination with fluorouracil Suppression of gastric cell migration Additive effect in combination with 1-MT	Cell lines Cell lines/xenograft	Bi TQ., et al 2011 Yang HJ., et al. 2010
Neuroblastoma	Cytotoxic (autophagy) Synergism with etoposide/cisplatin (necrosis)	Cell lines	Travelli C., et al 2011
Bladder cancer	Additive effect in combination 1-MT	Cell lines/xenograft	Yang HJ., et al. 2010
Mammary Carcinoma	Cytotoxic (apoptosis) Enhancement of radiation sensitivity	Cell lines Cell lines/allograft	Muruganandham M., et al. 2005
Liver carcinoma	Cytotoxic (apoptosis)	Cell lines	Hassman et al. 2003

Renal carcinoma	Anti-tumoural, anti-angiogenic and anti-metastatic activity	Allograft (RENCA model)	Dreves J., et al. 2003
Cervix adenocarcinoma	Cytotoxic in Hela cells	Cell lines	Travelli et al., 2011 Pittelli M. et al, 2010
Glioma	Cytotoxic (cell cycle arrest)	Cell lines	Pittelli M. et al, 2010 Zhang L.Y., et al 2012
	Increase MMS and MX cytotoxicity in temozolomide chemo-resistant T98G glioblastoma cell line	Cell lines	Goellner EM. et al 2012
Lymphoma	Cytotoxic in human lymphoma B-cells in combination with FX11 Increased anti-tumour activity of FX11	Cell lines/xenograft	Le A. et al., 2010
Pancreatic cancer	Cytotoxic in combination with FX11 Additive effect in combination with FX11 in xenograft	Cell lines/xenograft	Le A. et al., 2010
Ovarian Cancer	Cytotoxic Effect in combination with NA (increase the therapeutic potential in NAPRT-lacking cancers)	Cell lines/xenograft	Olesen U.H., et al 2010
	Anti-tumoural activity (decreased tumour volume and [18F]FLT utake)	Xenograft	Munk Jensen M, et al 2013
Colon cancer	Cytotoxic (reduction of TCA and glycolysis)	Cell lines	Tan B., et al. 2012
Melanoma	Not cytotoxic	Cell lines	Maldi E., et al 2012