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OLFM4 Antibody

Rabbit mAb
Catalog # AP92034

Product Information

Application	WB, IP
Primary Accession	Q6UX06
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	GC1; GW112; hGC 1; hOLfD; olfactomedin 4; OlfD; OLFM4; OLM4;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57280

Additional Information

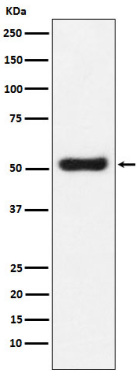
Dilution	WB 1:500~1:2000 IP 1:40
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human OLFM4
Description	An antiapoptotic factor that promotes tumor growth. Promotes proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. Facilitates cell adhesion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	OLFM4
Synonyms	GW112
Function	May promote proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. In myeloid leukemic cell lines, inhibits cell growth and induces cell differentiation and apoptosis. May play a role in the inhibition of EIF4EBP1 phosphorylation/deactivation. Facilitates cell adhesion, most probably through interaction with cell surface lectins and cadherin.
Cellular Location	Secreted, extracellular space. Mitochondrion. Note=Subcellular location is not clearly defined: has been shown to be secreted (PubMed:16566923), but also in the mitochondrion (PubMed:15059901, PubMed:20724538), cytoplasm and plasma membrane (PubMed:20724538) and in the nucleus (PubMed:15059901)
Tissue Location	Expressed during myeloid lineage development. Much higher expression in

bone marrow neutrophils than in peripheral blood neutrophils (at protein level). Strongly expressed in the prostate, small intestine and colon and moderately expressed in the bone marrow and stomach. Overexpressed in some pancreatic cancer tissues

Images



Western blot analysis of OLFM4 expression in LnCaP cell lysate.