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OLFM4 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13279

Product Information

Application	WB
Primary Accession	Q6UX06
Other Accession	NM_006418, NP_006409
Reactivity	Human, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rabbit, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57280

Additional Information

Gene ID	10562
Alias Symbol	GC1, GW112, KIAA4294, OlfD, bA209J19.1, OLM4, hGC-1, hOLfD, UNQ362
Other Names	Olfactomedin-4, OLM4, Antiapoptotic protein GW112, G-CSF-stimulated clone 1 protein, hGC-1, hOLfD, OLFM4, GW112
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-OLFM4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	OLFM4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

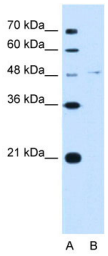
Name	OLFM4
Synonyms	GW112
Function	May promote proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. In myeloid leukemic cell lines, inhibits cell growth and induces cell differentiation and apoptosis. May play a role in the inhibition of EIF4EBP1 phosphorylation/deactivation. 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

References

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Dunham A.,et al.Nature 428:522-528(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Zhang J.,et al.Gene 283:83-93(2002).
Zhang X.,et al.Cancer Res. 64:2474-2481(2004).

Images



WB Suggested Anti-OLFM4 Antibody Titration: 5.0µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.