

# OLFM4 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13279

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q6UX06</a>
<b>Other Accession</b>	<a href="#">NM_006418</a> , <a href="#">NP_006409</a>
<b>Reactivity</b>	Human, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Rabbit, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	57280

## Additional Information

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<b>Gene ID</b>	10562
<b>Alias Symbol</b> <b>Other Names</b>	GC1, GW112, KIAA4294, Olfd, bA209J19.1, OLM4, hGC-1, hOlfd, UNQ362 Olfactomedin-4, OLM4, Antiapoptotic protein GW112, G-CSF-stimulated clone 1 protein, hGC-1, hOlfd, OLFM4, GW112
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	OLFM4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	OLFM4
<b>Synonyms</b>	GW112
<b>Function</b>	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.
<b>Cellular Location</b>	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

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Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

Dunham A.,et al.Nature 428:522-528(2004).

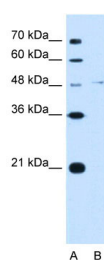
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Zhang J.,et al.Gene 283:83-93(2002).

Zhang X.,et al.Cancer Res. 64:2474-2481(2004).

## Images

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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'.