

OLFM4 / Olfactomedin 4 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10985

Specification

OLFM4 / Olfactomedin 4 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q6UX06
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

OLFM4 / Olfactomedin 4 Antibody (Internal) - Additional Information

Gene ID 10562

Other Names

Olfactomedin-4, OLM4, Antiapoptotic protein GW112, G-CSF-stimulated clone 1 protein, hGC-1, hOLfD, OLFM4, GW112

Target/Specificity

Human OLFM4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

OLFM4 / Olfactomedin 4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

OLFM4 / Olfactomedin 4 Antibody (Internal) - 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

Volume

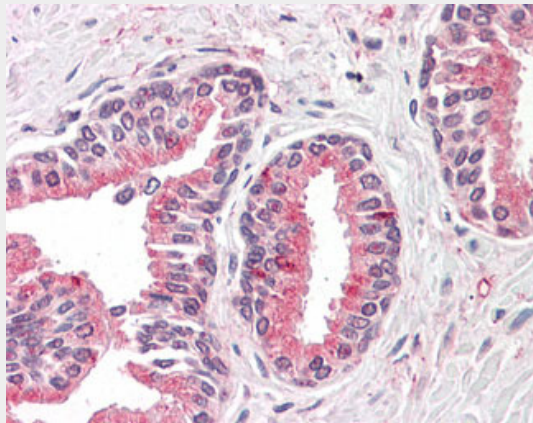
50 μ l

OLFM4 / Olfactomedin 4 Antibody (Internal) - Protocols

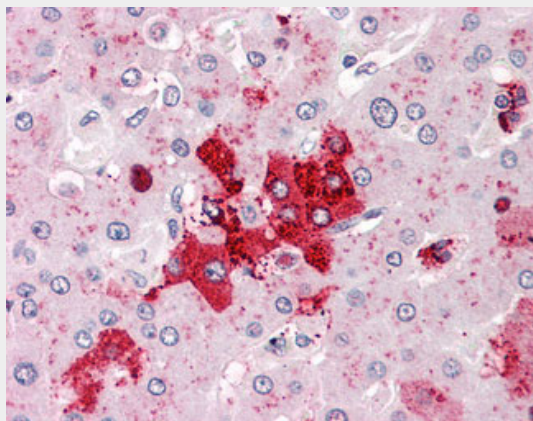
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OLFM4 / Olfactomedin 4 Antibody (Internal) - Images



Anti-OLFM4 antibody ALS10985 IHC of human prostate.



Anti-OLFM4 antibody ALS10985 IHC of human liver.

OLFM4 / Olfactomedin 4 Antibody (Internal) - Background

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OLFM4 / Olfactomedin 4 Antibody (Internal) - 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).