

OLFM4 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # Al13279

Specification

OLFM4 antibody - C-terminal region - Product Information

Application WB
Primary Accession O6UX06

Other Accession NM 006418, NP 006409

Reactivity Human, Rat, Rabbit, Horse, Bovine, Guinea

Pig, Dog

Predicted Human, Rabbit, Horse, Bovine, Guinea Pig,

Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 55kDa KDa

OLFM4 antibody - C-terminal region - 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.

OLFM4 antibody - C-terminal region - 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

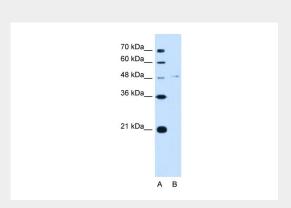
Expressed during myeloid lineage development. Much higher expression in bone marrow neutrophils than in peripheral blood neutrophils (at protein level). Strongly expressed in the prostate, small intestine and colon and moderately expressed in the bone marrow and stomach. Overexpressed in some pancreatic cancer tissues

OLFM4 antibody - C-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

OLFM4 antibody - C-terminal region - Images



WB Suggested Anti-OLFM4 Antibody Titration: 5.0µg/ml

Positive Control: Jurkat cell lysate

OLFM4 antibody - C-terminal region - 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).