

KD-Validated Anti-Olfactomedin 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1619

Product Information

Application	WB, FC, ICC
Primary Accession	Q6UX06
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB680
Calculated MW	57280
Gene Name	OLFM4
Aliases	Olfactomedin 4; GW112; OlfD; GC1; G-CSF-Stimulated Clone 1 Protein; Antiapoptotic Protein GW112; Olfactomedin-4; HGC-1; HOLfD; OLM4; BA209J19.1; UNQ362
Immunogen	A synthesized peptide derived from human OLFM4

Additional Information

Gene ID	10562
Other Names	Olfactomedin-4, OLM4, Antiapoptotic protein GW112, G-CSF-stimulated clone 1 protein, hGC-1, hOLfD, OLFM4, GW112

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

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