Olfactomedin 4 (OLFM4) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Olfactomedin 4 (OLFM4), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to Olfactomedin 4 (OLFM4)
Product Gene Name	anti-OLFM4 antibody
Product Synonym Names	OLM4; hGC1; hOLfD; OlfD; GW112; GC1; G-CSF-stimulated clone 1 protein; Antiapoptotic protein GW112
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: OLFM4 (MBS2001503) APC-CY7 Conjugated Antibody: OLFM4 (MBS2038997)
Matching Pairs	APC-CY7 Conjugated Antibody: OLFM4 (MBS2038997) Immunogen: OLFM4 (MBS2010549)
Molecular Weight	57,280 Da
OMIM	AY358567 mRNA
3D Structure	ModBase 3D Structure for Q6UX06
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	OLFM4 (Ile407~Gln510)
Conjugation	APC-Cy7
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2001503
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-OLFM4 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-OLFM4 antibody	MBS2038997 is an antibody targeting OLFM4. Also known as APC/CY7-Linked Polyclonal Antibody to Olfactomedin 4 (OLFM4). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-OLFM4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OLFM4. It may not necessarily be applicable to this product.

NCBI GI #	32313593
NCBI GeneID	10562
NCBI Accession #	NP_006409.3

UniProt Primary Accession #	Q6UX06
UniProt Secondary Accession #	O95362; Q5VWG0; Q86T22
UniProt Related Accession #	Q6UX06
GenBank Nucleotide #	NM_006418.4
NCBI Official Full Name	olfactomedin-4
NCBI Official Synonym Full Names	olfactomedin 4
NCBI Official Symbol	OLFM4
NCBI Official Synonym Symbols	GC1; OLM4; OlfD; GW112; hGC-1; hOLfD; UNQ362; bA209J19.1
UniProt Protein Name	Olfactomedin-4
UniProt Synonym Protein Names	Antiapoptotic protein GW112; G-CSF-stimulated clone 1 protein; hGC-1; hOLfD
Protein Family	Olfactomedin
UniProt Gene Name	OLFM4
UniProt Synonym Gene Names	GW112; OLM4; hGC-1
NCBI Protein Information	olfactomedin-4
NCBI Summary for OLFM4	This gene was originally cloned from human myeloblasts and found to be selectively expressed in inflammed colonic epithelium. This gene encodes a member of the olfactomedin family. The encoded protein is an antiapoptotic factor that promotes tumor growth and is an extracellular matrix glycoprotein that facilitates cell adhesion. [provided by RefSeq, Mar 2011]
UniProt Comments for OLFM4	OLFM4: 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. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 13q14.3 Cellular Component: azurophil granule; extracellular space; perinuclear region of cytoplasm; plasma membrane; secretory granule; specific granule Molecular Function: cadherin binding; protein binding; protein homodimerization activity Biological Process: protein homooligomerization; regulation of apoptosis; regulation of phagocytosis
Research Articles on OLFM4	**1.** OLFM4 is downregulated by miR-486-5p, which contributes to ovarian cancer tumorigenesis. Conversely, estrogen receptor signaling downregulates miR-486-5p and upregulates OLFM4 expression, slowing the development and progression of ovarian cancer.
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