

Product Name: KD-Validated Olfactomedin 4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00981

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 57.3kDa

Antigen Information

Gene Name	OLFM4
Alternative Names	Olfactomedin 4; GW112; OlfD; GC1; G-CSF-Stimulated Clone 1 Protein; Antiapoptotic Protein GW112; Olfactomedin-4; HGC-1; HOLfD; OLM4; BA209J19.1; UNQ362
Gene ID	10562.0
SwissProt ID	Q6UX06
Immunogen	A synthesized peptide derived from human OLFM4

Background

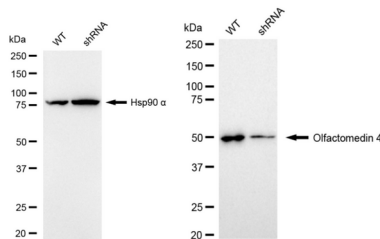
This gene was originally cloned from human myeloblasts and found to be selectively expressed in inflamed colonic epithelium. This gene encodes a member of the olfactomedin family. The encoded protein is an antiapoptotic factor that promotes tumor growth and is an extracellular matrix glycoprotein that facilitates cell adhesion. [provided by RefSeq, Mar

2011]

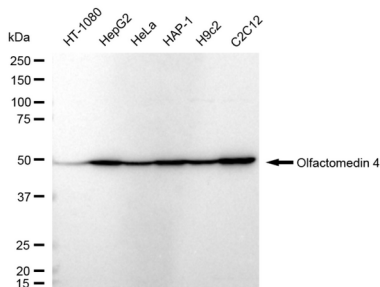
Research Area

Cancer

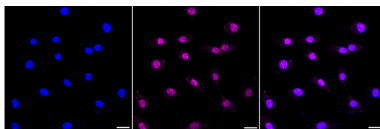
Image Data



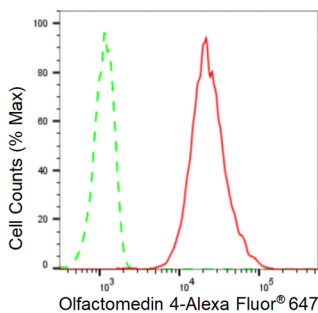
Western blotting analysis using Olfactomedin 4 antibody (KVA00981). Olfactomedin 4 expression in wild type (WT) and Olfactomedin 4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Olfactomedin 4 antibody (KVA00981, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Olfactomedin 4 antibody (KVA00981). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Olfactomedin 4 antibody (KVA00981, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Olfactomedin 4 antibody (KVA00981, 1:1,000). Nuclei were stained blue with DAPI; Olfactomedin 4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of Olfactomedin 4 expression in C2C12 cells using Olfactomedin 4 antibody (KVA00981, 1:2,000). Green, isotype control; red, Olfactomedin 4.