

ARG43055 anti-OLFM4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes OLFM4
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	OLFM4
Species	Human
Immunogen	Recombinant protein corresponding to D91-Q510 of Human OLFM4.
Conjugation	Un-conjugated
Alternate Names	bA209J19.1; Antiapoptotic protein GW112; GW112; G-CSF-stimulated clone 1 protein; OlfD; GC1; hGC-1; Olfactomedin-4; hOlfD; OLM4; UNQ362

Application Instructions

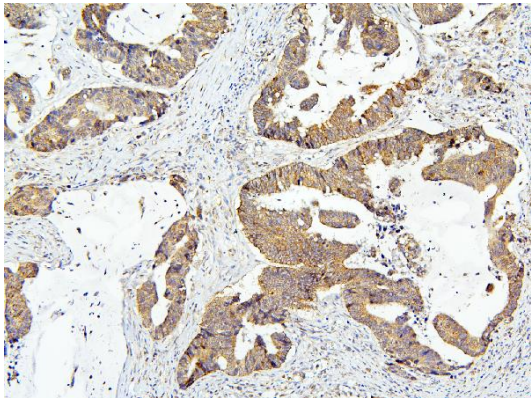
Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

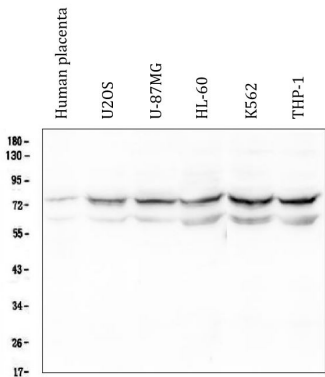
Gene Symbol	OLFM4
Gene Full Name	olfactomedin 4
Background	This gene was originally cloned from human myeloblasts and found to be selectively expressed in inflammed colonic epithelium. This gene encodes a member of the olfactomedin family. The encoded protein is an antiapoptotic factor that promotes tumor growth and is an extracellular matrix glycoprotein that facilitates cell adhesion. [provided by RefSeq, Mar 2011]
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. [UniProt]
Calculated Mw	57 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	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 and PubMed:20724538), cytoplasm and plasma membrane (PubMed:20724538) and in the nucleus (PubMed:15059901). [UniProt]

Images



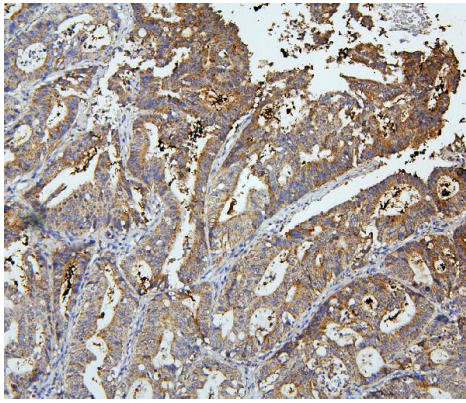
ARG43055 anti-OLFM4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43055 anti-OLFM4 antibody at 1 µg/ml dilution, overnight at 4°C.



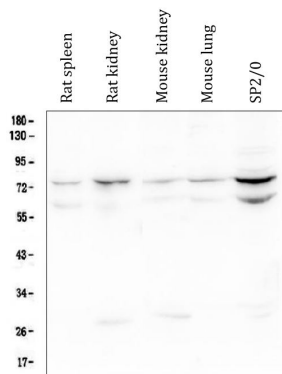
ARG43055 anti-OLFM4 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Human placenta, U2OS, U-87MG, HL-60, K562 and THP-1 whole cell lysates stained with ARG43055 anti-OLFM4 antibody at 0.5 µg/ml dilution, overnight at 4°C.



ARG43055 anti-OLFM4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43055 anti-OLFM4 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43055 anti-OLFM4 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Rat spleen, Rat kidney, Mouse kidney, Mouse lung and SP2/0 whole cell lysates stained with ARG43055 anti-OLFM4 antibody at 0.5 µg/ml dilution, overnight at 4°C.