

OMP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14664a

Product Information

Application	WB, E
Primary Accession	P47874
Other Accession	NP_006180.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34300
Calculated MW	18937
Antigen Region	13-41

Additional Information

Gene ID	4975
Other Names	Olfactory marker protein, Olfactory neuronal-specific protein, OMP
Target/Specificity	This OMP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-41 amino acids from the N-terminal region of human OMP.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	OMP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OMP
Function	May act as a modulator of the olfactory signal-transduction cascade.
Cellular Location	Cytoplasm.

Tissue Location

Uniquely associated with mature olfactory receptor neurons

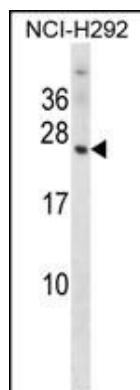
Background

Olfactory marker protein is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Results of the mouse knockout studies show that OMP-null mice are compromised in their ability to respond to odor stimuli, and that OMP represents a novel modulatory component of the odor detection/signal transduction cascade.

References

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Lamesch, P., et al. Genomics 89(3):307-315(2007)
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Images



OMP Antibody (N-term) (Cat. #AP14664a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the OMP antibody detected the OMP protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.