

**OMP Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14664a**

**Specification**

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**OMP Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P47874</a>
Other Accession	<a href="#">NP_006180.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18937
Antigen Region	13-41

**OMP Antibody (N-term) - 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

**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.

**OMP Antibody (N-term) - Protein Information**

**Name** OMP

**Function** May act as a modulator of the olfactory signal-transduction cascade.

**Cellular Location**

Cytoplasm.

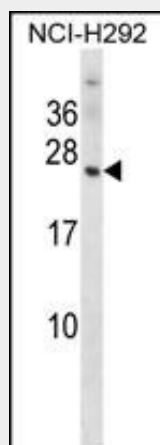
**Tissue Location**

Uniquely associated with mature olfactory receptor neurons

**OMP Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**OMP Antibody (N-term) - 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).

**OMP Antibody (N-term) - 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.

**OMP Antibody (N-term) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Lamesch, P., et al. Genomics 89(3):307-315(2007)

Behrens, M., et al. J. Neurochem. 86(5):1289-1296(2003)  
Baldiiseri, D.M., et al. J. Mol. Biol. 319(3):823-837(2002)