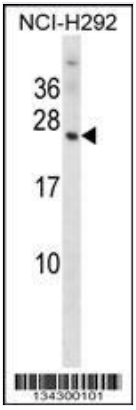
OMP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OMP, Polyclonal Antibody
Full Product Name	OMP, NT (OMP, Olfactory marker protein, Olfactory neuronal-specific protein) (Azide free) (HRP)
Product Gene Name	anti-OMP antibody
Product Synonym Names	OMP; Olfactory marker protein; Olfactory neuronal-specific protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	164340
3D Structure	ModBase 3D Structure for P47874
Immunogen	OMP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-41 amino acids from the N-terminal region of human OMP.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-OMP antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-OMP antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-OMP antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-OMP antibody	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.
Product References and Citations for anti-OMP antibody	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). Baldisseri, D.M., et al. J. Mol. Biol. 319(3):823-837(2002).
Other Notes	Small volumes of anti-OMP 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.

Searchable Terms for OMP purchase	MBS6327770 is an antibody targeting OMP. Also known as OMP, NT (OMP, Olfactory marker protein, Olfactory neuronal-specific protein) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OMP antibody
OMP Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the OMP antibody detected the OMP protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	5453828
NCBI GeneID	4975
NCBI Accession #	NP_006180.1
UniProt Primary Accession #	P47874
UniProt Secondary Accession #	Q562G2
UniProt Related Accession #	P47874
GenBank Nucleotide #	NM_006189.1
NCBI Official Full Name	olfactory marker protein
NCBI Official Synonym Full Names	olfactory marker protein
NCBI Official Symbol	OMP
UniProt Protein Name	Olfactory marker protein
UniProt Synonym Protein Names	Olfactory neuronal-specific protein
Protein Family	17 kDa surface antigen
UniProt Gene Name	OMP
UniProt Entry Name	OMP_HUMAN
NCBI Protein Information	olfactory marker protein; olfactory neuronal-specific protein
UniProt Comments for OMP	OMP: May act as a modulator of the olfactory signal- transduction cascade. Belongs to the olfactory marker protein family. Chromosomal Location of Human Ortholog: 11q13.5 Cellular Component: cell soma; axon; cytoplasm; nucleus Molecular Function: signal transducer activity Biological Process: synaptic transmission; neurogenesis; sensory perception of smell; signal transduction

Research Articles on OMP	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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