

OMP Polyclonal Antibody

Catalog Number OSG00002G

Product data sheet

Details		Tested Applications		Dilution *
Size	500 µg	Immunohistochemistry (PFA fixed) (IHC (PFA))	10-50 µg/mL	
Host/Isotope	Goat / IgG			
Class	Polyclonal	Western Blot (WB)	10-50 µg/mL	
Type	Antibody			
Immunogen	Synthetic peptide from rat Olfactory Marker Protein.			
Conjugate	Unconjugated			
Form	Lyophilized			
Concentration	Conc. Not Determined			
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. Glycerol (1:1) may be added for added stability.			

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

The peptide is homologous with the corresponding sequence derived from OMP protein in mouse.

Background/Target Information

Olfactory marker protein (OMP) is an abundant, 19-kDa, cytosolic protein that is almost exclusively expressed in mature, functioning, olfactory neurons but not in the neural precursor basal cells. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Its tissue-specific expression in the receptor cells together with the results of the mouse knockout studies show that OMP represents a novel modulatory component of the odor detection/signal transduction cascade. May act as a modulator of the olfactory signal-transduction cascade. Interacts with BEX1 and BEX2. Uniquely associated with mature olfactory receptor neurons. Belongs to the olfactory marker protein family.

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