

OMP Polyclonal Antibody

Catalog Number OSC00004W

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µL	Immunohistochemistry (PFA fixed) (IHC (PFA)) Western Blot (WB)	1:200-1:2,000
Host/Isotope	Chicken / IgY		1:200-1:2,000
Class	Polyclonal	<small>* 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.</small>	
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.		

Product specific information

The peptide is homologous with the corresponding sequence derived from OMP protein in mouse. Reconstitute in 100 µL of sterile water.

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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