

OMP Polyclonal Antibody

Catalog Number **OSR00001W**

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (PFA fixed) (IHC (PFA))	1:1000
Type	Antibody	Western Blot (WB)	1:1000
Immunogen	A synthetic peptide from rat Olfactory Marker Protein	* 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.	
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

In IHC applications, Zamboni's or 4% PFA fixatives are recommended. Reconstitute in 100 µL of sterile water.

Background/Target Information

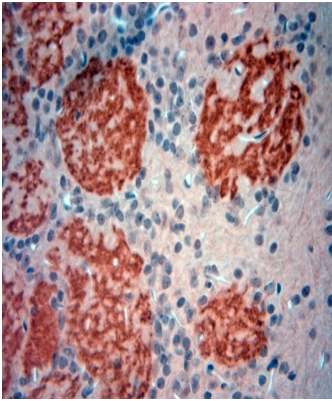
Olfactory marker protein (OMP) is an abundant, 19-kDa, cytosolic protein that is almost exclusively expressed in mature, functioning, olfactory neurons but not in the neural precursor basal cells. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Its tissue-specific 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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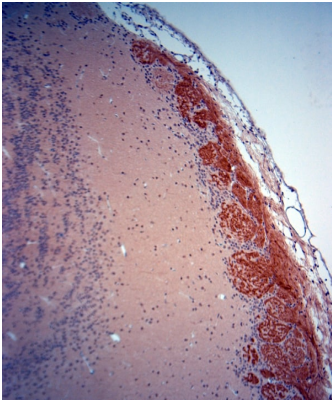
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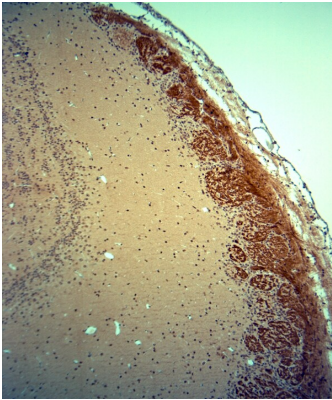
OMP Antibody (OSR00001W) in IHC (P)

Immunohistochemistry (Paraffin) analysis was performed in sections of rat olfactory bulbs using OMP Polyclonal Antibody (Product #OSR00001W). The animal was perfused using Autoperfuser at a pressure of 130 mmHg with 300 ml 4% FA before being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min using Thermo PT Module. Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm. Primary antibody: dilution 1:1000, incubated 30 min at RT using Autostainer. Sections were counterstained with Harris Hematoxylin.



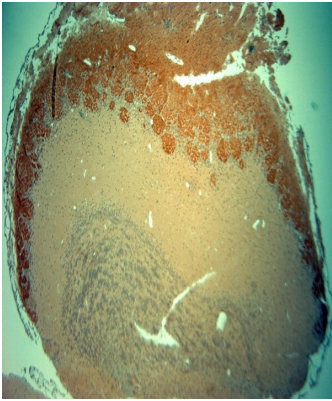
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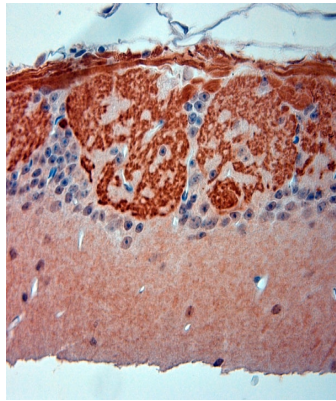
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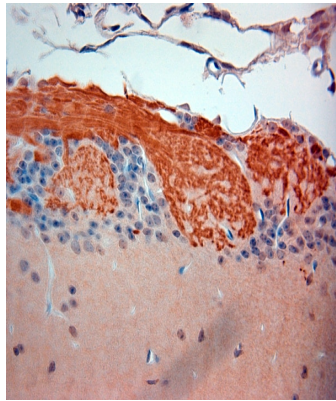
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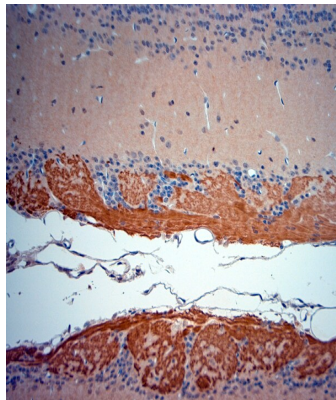
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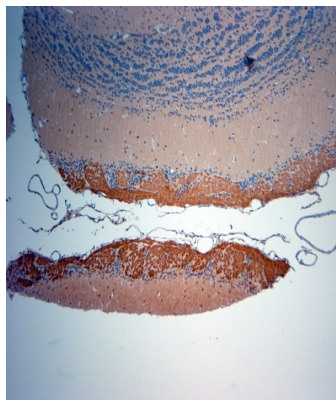
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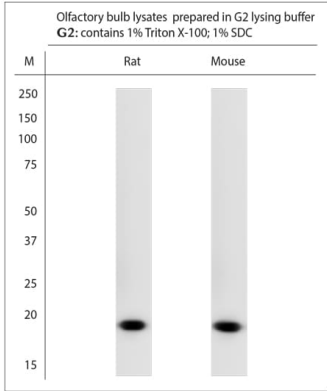
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OMP Antibody (OSR00001W) in WB

Western blot analysis was performed on olfactory bulb lysates using OMP Polyclonal Antibody (Product #OSR00001W). Blocking: 1% LFDM for 30 min at RT; primary antibody: dilution 1:1,000 incubated at 4C overnight. Note: The lysate must be prepared in G2 lysing buffer (G2 is Ripa buffer but containing 1% Triton X-100; 1% SDC).

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