Datasheet for ABIN350669

anti-OMP antibody

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Overview

Quantity:	500 µg
Target:	OMP
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This OMP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Sheep antibody to human OMP
Immunogen:	A synthetic peptide from human Olfactory Marker Protein (OMP) conjugated to blue carrier protein has been used as the antigen.
Isotype:	IgG
Specificity:	Highly specific for mature olfactory neurons (including axon and terminals).
Cross-Reactivity:	Human
Purification:	IgG

Target Details

Target:	OMP
Alternative Name:	OMP (OMP Products)

Target Details

Background:	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. FUNCTION: May act as a modulator of the olfactory signal-transduction cascade. SUBUNIT: Interacts with BEX1 and BEX2. SUBCELLULAR LOCATION: Cytoplasm. TISSUE SPECIFICITY: Uniquely associated with mature olfactory receptor neurons. SIMILARITY: Belongs to the olfactory marker protein family.
UniProt:	Q562G2

Application Details

Application Notes:	IHC WB. Use at a concentration of 10-50 µg,ml. The optimal concentration should be determined by the end user. For IHC Zamboni's,4 % PFA fixatives are recommended.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20C for long term storage and refrigerated at 2-8C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months