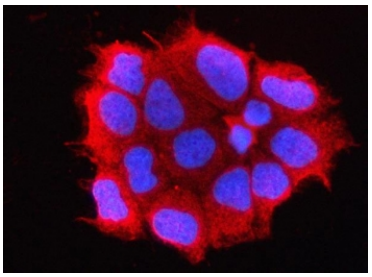
OMP Antibody / Olfactory marker protein (RQ7915)

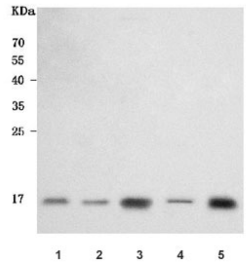
Catalog No.	Formulation	Size
RQ7915	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

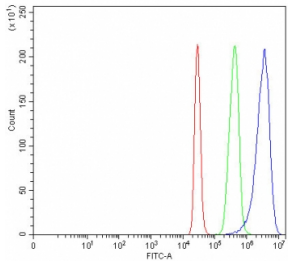
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P47874
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This OMP antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with OMP antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human U-251, 3) human SH-SY5Y, 4) rat PC-12 and 5) mouse Neuro-2a cell lysate with OMP antibody. Predicted molecular weight ~19 kDa.



Flow cytometry testing of human 293T cells with OMP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OMP antibody.

Description

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.

Application Notes

Optimal dilution of the OMP antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E43-L163) was used as the immunogen for the OMP antibody.

Storage

After reconstitution, the OMP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com