

# Product Datasheet

## Olfactory Marker Protein Antibody - Azide and BSA Free NB110-74751

Unit Size: 0.5 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB110-74751****Olfactory Marker Protein Antibody - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.5 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute 0.5 mg size in 0.5 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the 0.1 mg size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Ammonium sulfate precipitation
<b>Buffer</b>	Lyophilized from PBS

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Olfactory Marker Protein Antibody - Azide and BSA Free (NB110-74751) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Olfactory Marker Protein Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	4975
<b>Gene Symbol</b>	OMP
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 29288083).
<b>Specificity/Sensitivity</b>	Highly specific for mature olfactory neurons (including axon and terminals).
<b>Immunogen</b>	A synthetic peptide from rat Olfactory Marker Protein conjugated to blue carrier protein has been used as the antigen. The peptide is homologous in mouse.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 10-50 ug/ml, Immunohistochemistry 10-50 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 10-50 ug/ml
<b>Application Notes</b>	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:31526523).



## Publications

Li ST, Young TH, Wang CT, Huang TW. Chitosan films promote formation of olfactory neurospheres and differentiation of olfactory receptor neurons *Rhinology journal* 2018-12-01 [PMID: 30052693] (Rat)

Serrano GE, Walker JE, Tremblay C et al. SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19 *Journal of neuropathology and experimental neurology* 2022-07-11 [PMID: 35818336]

Huang TW, Li ST, Chen DY, Young TH Neuropeptide Y increases differentiation of human olfactory receptor neurons through the Y1 receptor *Neuropeptides* 2019-09-09 [PMID: 31526523] (IHC/IF, Human)

Li ST, Young TH, Huang TW. Poly (ethylene-co-vinyl alcohol) is a suitable substrate for human olfactory neuroepithelial cell differentiation in vitro through a defined regulatory pathway. *Acta Biomater* 2017-12-26 [PMID: 29288083] (Human)

Li ST, Young TH, Lin CF, Huang TW. Promotion of olfactory receptor neuron differentiation of olfactory neuroepithelial cells by using chitosan solution *Am J Rhinol Allergy* 2017-09-01 [PMID: 28859702] (Rat)





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### **Products Related to NB110-74751**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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