

Product Datasheet

MAP2 Antibody NBP1-92711SS

Unit Size: 0.025 ml

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

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NBP1-92711SS

MAP2 Antibody (5H11)

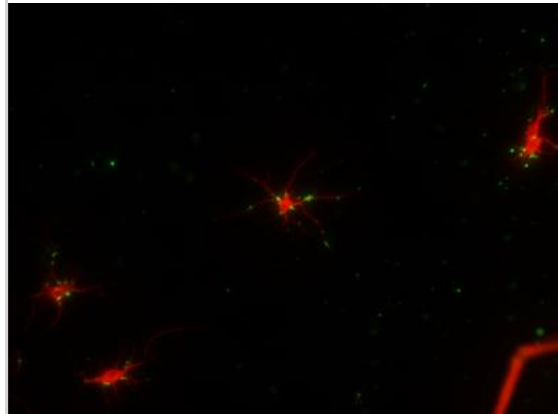
Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5H11
Preservative	10mM Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	280 kDa
Product Description	
Host	Mouse
Gene ID	4133
Gene Symbol	MAP2
Species	Human, Mouse, Rat, Bovine
Species Reactivity	Rat, mouse, human and cow.
Marker	Neuronal Dendritic Marker
Immunogen	Bovine brain high molecular weight MAP2 preparation.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:500-1:1000, Western Blot 1:5000-1:10000
Application Notes	This MAP2 (5H11) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approximately 280 kDa.

Images

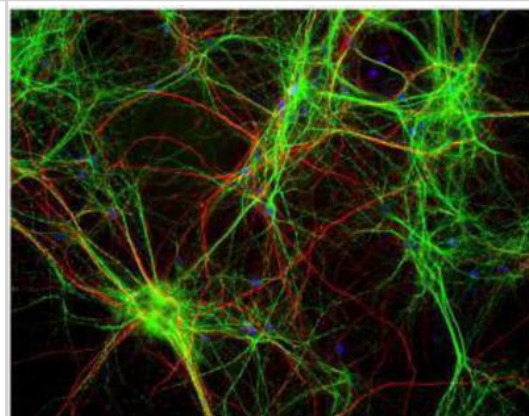
Western Blot: MAP2 Antibody (5H11) [NBP1-92711] - Western blot of whole rat brain lysate probed with NBP1-92711 antibody to MAP2. Note that the strong single band running at about 280 kDa corresponds to MAP2.



Immunocytochemistry/Immunofluorescence: MAP2 Antibody (5H11) [NBP1-92711] - Single cultured astrocytes stained with MAP2(red) and Myelin(green). Image from verified customer review.



Immunocytochemistry/Immunofluorescence: MAP2 Antibody (5H11) [NBP1-92711] - Mixed neuron/glia cultures stained with NBP1-92711 (green) and also rabbit antibody of neurofilament NF-H (NB300-135, red). Since the NF-H protein is largely expressed in neuronal axons, while the MAP2 is only found in neuronal dendrites and perikarya, there is little overlap between these two staining patterns. DNA stain shows nuclei of neurons and non-neuronal cells (blue).



Publications

Tibshirani M, Tradewell ML, Mattina KR et al. Cytoplasmic sequestration of FUS/TLS associated with ALS alters histone marks through loss of nuclear protein arginine methyltransferase 1. *Hum. Mol. Genet.* 2014 Sep 30 [PMID: 25274782]

Siddoway B, Hou H, Yang H et al. Synaptic activity bidirectionally regulates a novel sequence-specific S-Q phosphoproteome in neurons. *J Neurochem.* 2013 Oct 13 [PMID: 24117848] (ICC/IF, Rat)

Shim JH, Lee TR, Shin DW. Enrichment and Characterization of Human Dermal Stem/Progenitor Cells by Intracellular Granularity. *Stem Cells Dev* 2013 Jan 22 [PMID: 23336432]



Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

