

# Product Datasheet

## MAP2 Antibody - BSA Free **NBP3-05552-100ul**

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

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**NBP3-05552-100ul**

MAP2 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	280 kDa

**Product Description**

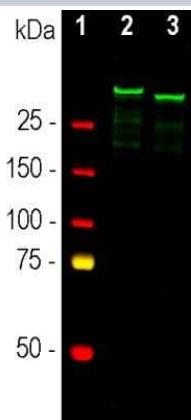
<b>Description</b>	Novus Biologicals Goat MAP2 Antibody - BSA Free (NBP3-05552) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MAP2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	4133
<b>Gene Symbol</b>	MAP2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	MAP2

**Product Application Details**

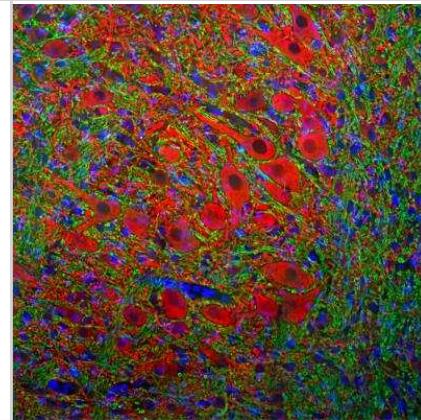
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:1000-1:2000, Immunocytochemistry/ Immunofluorescence 1:1000-1:2000

## Images

Western Blot: MAP2 Antibody [NBP3-05552] - Western blot analysis of whole brain lysates using MAP2 Antibody at a dilution of 1:5,000 in green: [1] protein standard (red), [2] rat, and [3] mouse brain lysate. A band at about 280kDa corresponds to the MAP2A and MAP2B proteins.



Immunocytochemistry/Immunofluorescence: MAP2 Antibody [NBP3-05552] - Immunofluorescent analysis of rat brain stem section stained with goat pAb to MAP2 at a dilution of 1:2,000 in red, and costained with mouse mAb to MBP at a dilution of 1:5,000, in green. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. MAP2 Antibody labels MAP2 protein in the perikarya and dendrites of the most neurons, notably motoneurons in the brain stem, and the MBP antibody stains myelin sheath around axons.



## Publications

Dai S, Luo M, Jiang T et al. Dexamethasone as an emerging environmental pollutant: Disruption of cholesterol-dependent synaptogenesis in the hippocampus and subsequent neurobehavioral impacts in offspring. *Environment International* 2024-10-24 [PMID: 39413532]

Theobald D, Sriramula S. Kinin B1 Receptor Mediates Bidirectional Interaction between Neuroinflammation and Oxidative Stress Antioxidants (Basel, Switzerland) 2023-01-08 [PMID: 36671012] (ICC/IF, Mouse)

### Details:

Dilution used in ICC 1:500



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

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.EMEA@bio-techne.com

### General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### Products Related to NBP3-05552-100ul

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
H00004133-P01-10ug	Recombinant Human MAP2 GST (N-Term) Protein
236-EG-200	EGF [Unconjugated]

### 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 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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[technical@novusbio.com](mailto:technical@novusbio.com)