

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.

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NBP3-05552-100ul

MAP2 Antibody - BSA Free

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

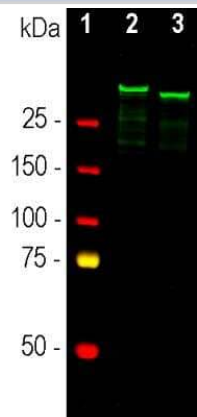
Product Description	
Host	Goat
Gene ID	4133
Gene Symbol	MAP2
Species	Human, Mouse, Rat
Immunogen	MAP2

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:1000-1:2000, Immunocytochemistry/ Immunofluorescence 1:1000-1:2000

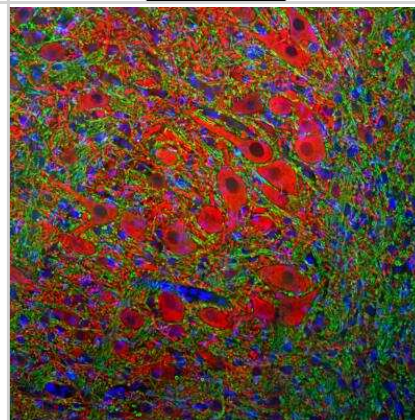


Images

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 motorneurons 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



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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.

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