

Anti-Microtubule-Associated Protein (MAP2) Antibody

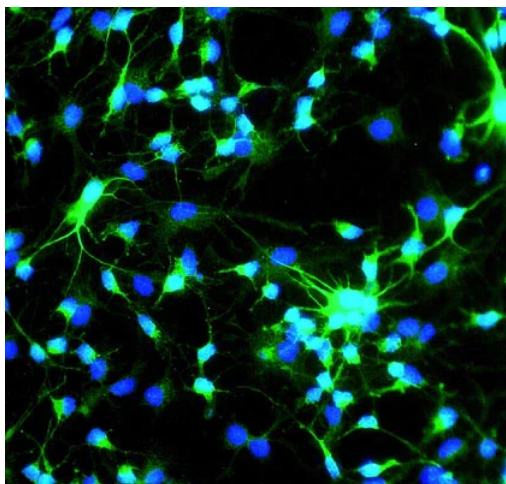


Product Details

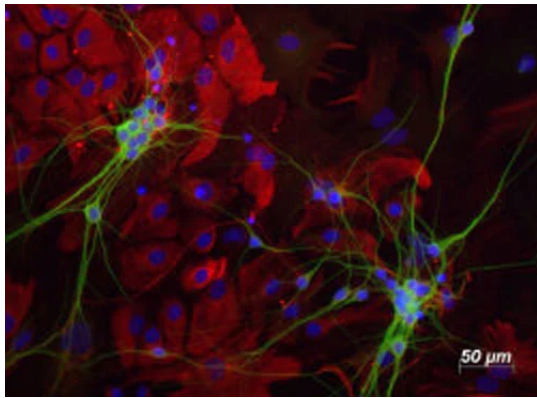
Available Variants	1000 µL (SKU:MAP) 100 µL (SKU:MAP-0020)
Isotype	IgY
Gene Name	MAP2
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with two synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the MAP-2 gene product, but are shared between the human (NP_002365, NCBI) and mouse (P20357, NCBI) sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 200 µg/mL. Finally, equal volumes of both of these affinitypurified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	280 kDa
Quality Control	Both of these anti-peptide antibodies were analyzed by immunohisto-chemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313549
UniProt ID	<u>P11137</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

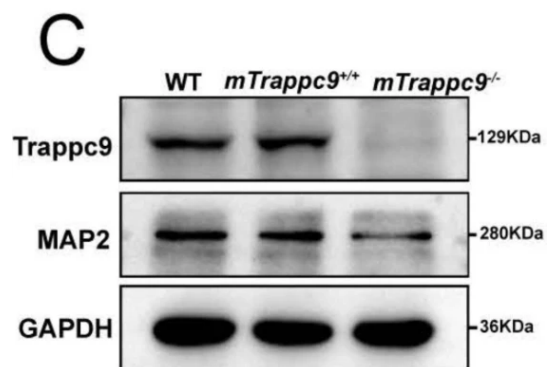
Product Images



MAP-2 immunoreactivity in neurosphere cultures from an e18 mouse brain (1:1000 dilution, green); 2° antibody was a fluorescein-labeled goat anti-chicken IgY (Aves Labs Cat No. F-1005, 1:500 dilution). Blue staining is DAPI nuclear stain. (Hoda Ilias, Aves Labs.)



Neonatal mouse brain cortical cultures were stained with Aves Labs MAP2 (green) and GFAP (red, rabbit antibody); Blue is DAPI nuclear stain. Photo courtesy of Dr. Gerry Shaw, Univ. Florida.



Western blot analysis of MAP2 (Cat. MAP) in adult mouse cerebral cortex showing significant reduction in the integrated density of MAP2 protein bands normalized with GAPDH. Image from publication CC-BY-4.0.

[PMID:37416774](https://pubmed.ncbi.nlm.nih.gov/37416774/)

Product Page URL: www.antibodiesinc.com/products/anti-microtubule-associated-protein-antibody-map



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