

Anti-MAP2 Antibody (Monoclonal, HM-2)
Catalog # ABO10446**Specification**

Anti-MAP2 Antibody (Monoclonal, HM-2) - Product Information

Application	IHC
Primary Accession	P15146
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized

Description

Mouse IgG monoclonal antibody for MAP2, microtubule-associated protein 2 (MAP2) detection. Tested with WB, IHC-P in Human;mouse;rat. No cross reactivity with other proteins.

Reconstitution

Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Anti-MAP2 Antibody (Monoclonal, HM-2) - Additional Information

Gene ID 25595

Other Names

Microtubule-associated protein 2, MAP-2, Map2, Mtap2

Calculated MW

202411 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 1-2 µg/ml, Human, mouse, rat, By Heat

Western blot, 0.5-2 µg/ml, Human, mouse, rat

Subcellular Localization

Cytoplasm, cytoskeleton .

Protein Name

Microtubule-associated protein 2

Contents

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Immunogen

Rat brain microtubule-associated proteins(MAPs).

Purification

Ascites

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 3 Tau/MAP repeats.

Anti-MAP2 Antibody (Monoclonal, HM-2) - Protein Information

Name Map2

Synonyms Mtap2

Function

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

Cellular Location

Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

Tissue Location

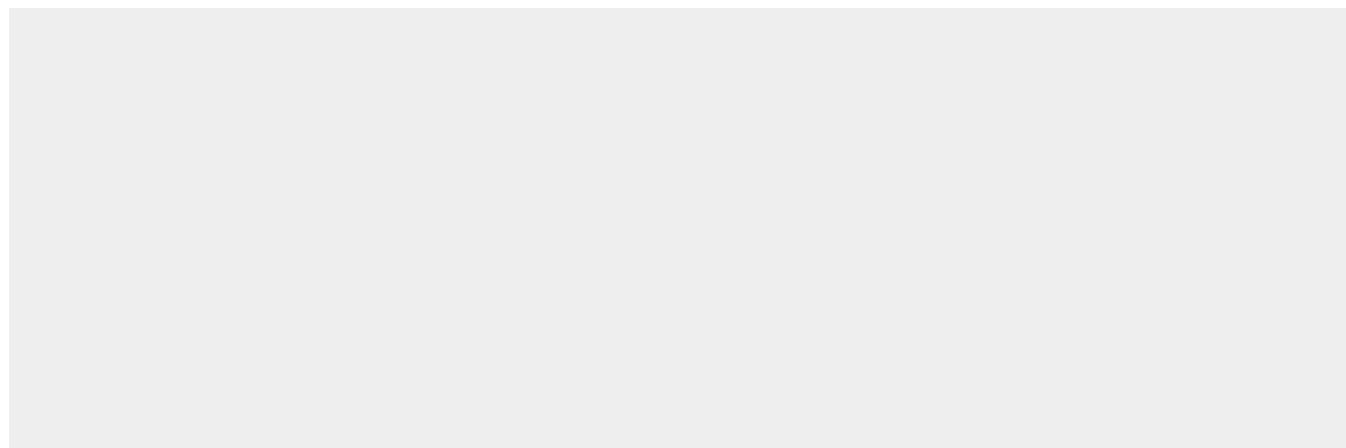
[Isoform 2]: Expressed in the liver.

Anti-MAP2 Antibody (Monoclonal, HM-2) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MAP2 Antibody (Monoclonal, HM-2) - Images





Anti-MAP2 antibody (monoclonal), ABO10446, IHC(P)IHC(P): Rat Brain Tissue

Anti-MAP2 Antibody (Monoclonal, HM-2) - Background

MAP2, a 280-kD protein, is highly concentrated in neuronal somata and dendrites. Microtubule-associated protein 2 (MAP2) is a neurosteroid receptor. MAP2 gene contains 19 exons, and located in segment 2q34-q35. The transgenic MAP2c was present in dendrites but not in axons but transgenic MAP2c messenger RNA was limited to cell bodies.