

Anti-MAP2 Antibody (Monoclonal, HM-2)

Catalog # ABO10446

Product Information

Application	WB, IHC-P
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.

Additional Information

Gene ID	25595
Other Names	Microtubule-associated protein 2, MAP-2, Map2, Mtap2
Calculated MW	202411
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, mouse, rat, By Heat Western blot, 0.5-2 μ g/ml, Human, mouse, rat
Subcellular Localization	Cytoplasm, cytoskeleton .
Source	Eukaryota
Protein Name	Microtubule-associated protein 2
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	HM-2
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 r° Constitution, at 4°C for one month. It° Can also

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Contains 3 Tau/MAP repeats.

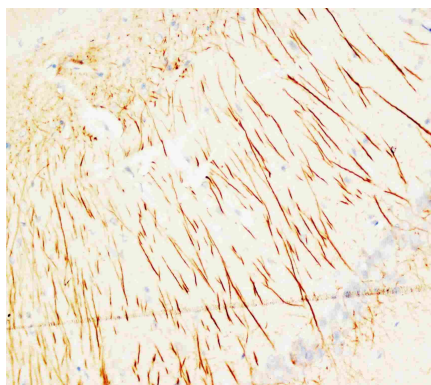
Protein Information

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.

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.