

Anti-MAP1 Antibody (Monoclonal, HM-1)

Catalog # ABO10445

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P34926
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for MAP1, microtubule-associated protein 1A (MAP1A) detection. Tested with WB, IHC-P, IHC-F in 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	25152
Other Names	Microtubule-associated protein 1A, MAP-1A, MAP1A heavy chain, MAP1 light chain LC2, Map1a, Mtap1a
Calculated MW	299531
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Mouse, rat, By Heat Immunohistochemistry(Frozen Section), 1-2 μ g/ml, Mouse, rat, - Western blot, 0.5-2 μ g/ml, Mouse, rat
Subcellular Localization	Cytoplasm, cytoskeleton .
Tissue Specificity	Brain, heart and muscle.
Source	Eukaryota
Protein Name	Microtubule-associated protein 1A
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	HM-1
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.

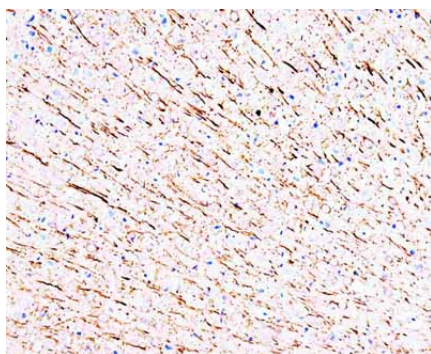
Protein Information

Name	Map1a
Synonyms	Mtap1a
Function	Structural protein involved in the filamentous cross-bridging between microtubules and other skeletal elements.
Cellular Location	Cytoplasm, cytoskeleton.
Tissue Location	Brain, heart and muscle.

Background

Microtubules are the ubiquitous cytoskeletal structural components that are involved in intracellular transport. They are composed of tubulin and microtubule-associated proteins (MAPs). MAP1 is one of the major neuronal MAPs as well as being the largest (350KD). MAPs include MAP1A, MAP1B, and MAP2. MAP1a is a single-copy gene spanning 10.5 kb. MAP1a coding sequence is contained in five exons. MAP1B is encoded as a polypeptide that is processed to form a complex N-terminal microtubule-binding domain.

Images



Anti-MAP1 antibody (monoclonal), ABO10445,
IHC(P)IHC(P): Rat Brain Tissue

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