

MAP2 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1853a

Specification

MAP2 Antibody (Ascites) - Product Information

Application WB, IHC-P, IF,E
Primary Accession P11137
Other Accession NP_002365.3
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1,K

MAP2 Antibody (Ascites) - Additional Information

Gene ID 4133

Other Names

Microtubule-associated protein 2, MAP-2, MAP2

Target/Specificity

This MAP2 Monoclonal antibody was raised using purified His-tagged recombinant human MAP2.

Dilution

WB~~1:1000 IHC-P~~1:10~50 IF~~1:10~50

E~~Use at an assay dependent concentration.

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAP2 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP2 Antibody (Ascites) - Protein Information

Name MAP2

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

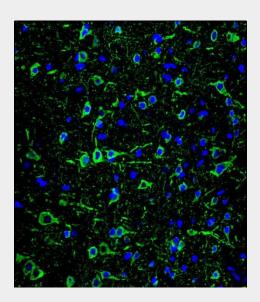
Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

MAP2 Antibody (Ascites) - Protocols

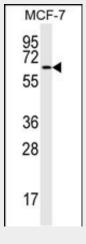
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MAP2 Antibody (Ascites) - Images

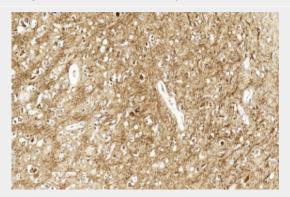


Confocal immunofluorescent analysis of MAP2 Antibody (Cat#AM1853a) with brain tissue followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).

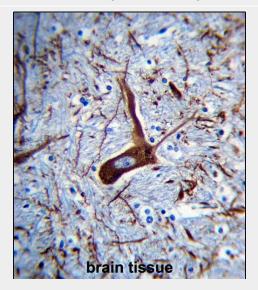




MAP2 Antibody (Cat. #AM1853a) western blot analysis in MCF-7 cell line lysates (15μg/lane). This demonstrates the MAP2 antibody detected the MAP2 protein (arrow). (1:1000)



Immunohistochemical analysis of paraffin-embedded Human brain section using Pink1(Cat#AM1853a). AM1853a was diluted at 1:500 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



MAP2 Antibody (Ascites) (Cat. #AM1853a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAP2 Antibody (Ascites) for immunohistochemistry. Clinical relevance has not been evaluated.

MAP2 Antibody (Ascites) - Background

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.

MAP2 Antibody (Ascites) - References

Albala J.S.et.al. Gene 136:377-378(1993).