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MAP2 Antibody (Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM1853a

Specification

MAP2 Antibody (Ascites) - Product Information

Application	**IF, IHC, WB, IHC-P,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
IF~~1:10~50
IHC~~1:500
WB~~1:1000
IHC-P~~1:10~50

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.

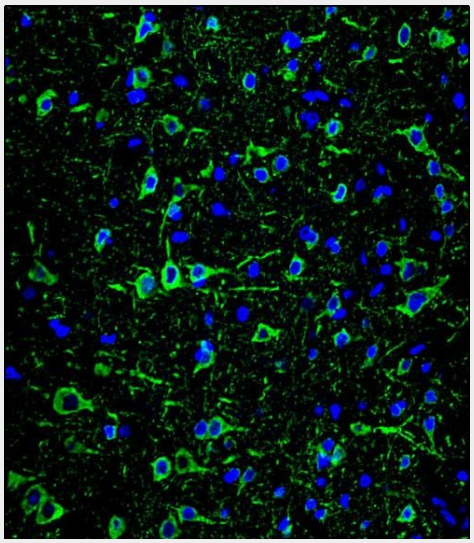
Cellular Location
Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

MAP2 Antibody (Ascites) - Protocols

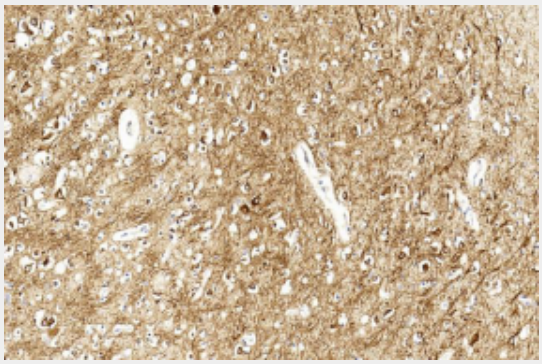
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAP2 Antibody (Ascites) - Images

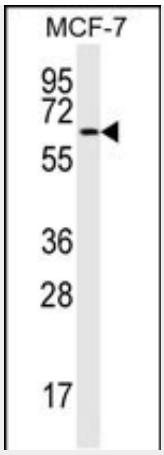


Confocal immunofluorescent analysis of MAP2 Antibody (Cat#AM1853a) with brain tissue followed by Alexa Fluor® 488-conjugated goat anti-mouse lgG (green). DAPI was used to stain the cell nuclear (blue).

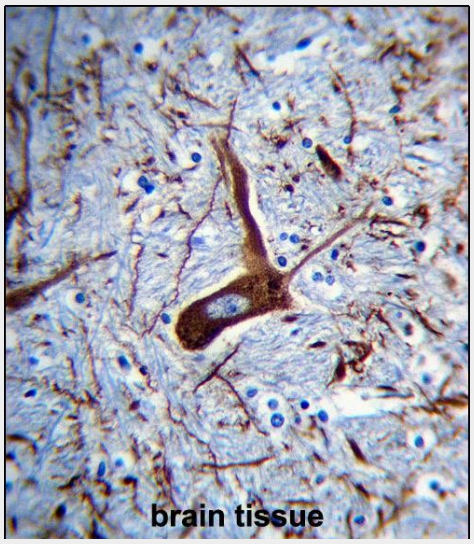


Immunohistochemical analysis of paraffin-embedded Human brain section using Pink1(Cat#AM1853a). AM1853a was diluted at 1:500 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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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)



MAP2 Antibody (Ascites) (Cat. #AM1853a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjµgation 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).

MAP2 Antibody (Ascites) - Citations

- High-efficiency transfection of cultured primary motor neurons to study protein localization, trafficking, and function.