

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

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**MAP2 Antibody (Ascites) - Product Information**

Application	IF, WB, IHC, IHC-P,E
Primary Accession	<a href="#">P11137</a>
Other Accession	<a href="#">NP_002365.3</a>
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  
WB~~1:1000  
IHC~~1:500  
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.

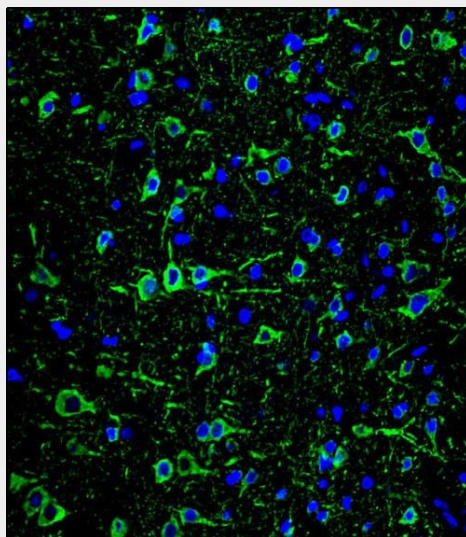
**Cellular Location**

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

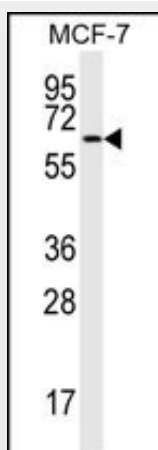
**MAP2 Antibody (Ascites) - Protocols**

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

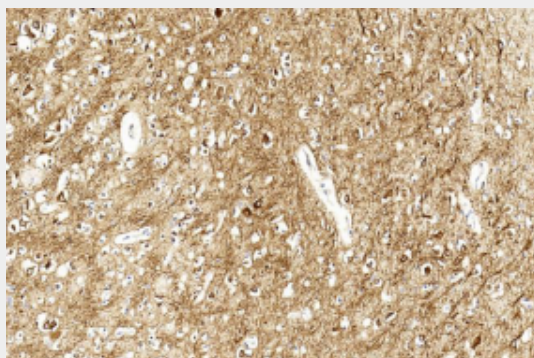
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**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).

#### **MAP2 Antibody (Ascites) - Citations**

- [High-efficiency transfection of cultured primary motor neurons to study protein localization, trafficking, and function.](#)