

Mouse anti-Human MAP2 Monoclonal Antibody | anti-MAP2 antibody

MAP2 Antibody (Ascites)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283594	Mouse	Human	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

MAP2; Monoclonal Antibody; MAP2 Antibody (Ascites); Microtubule-associated protein 2; MAP-2; anti-MAP2 antibody

PRODUCT SPECIFICATIONS

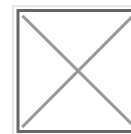
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,K
Clone Number	159CT34.12.3.4
Specificity	This MAP2 Monoclonal antibody was raised using purified His-tagged recombinant human MAP2.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Length	559
Applicable Applications for anti-MAP2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Cellular Location	Cytoplasm, cytoskeleton. Cell projection,dendrite {ECO:0000250 UniProtKB:P20357}
Preparation and 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.

IMAGES



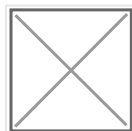
IHC (Immunohistochemistry)

MAP2 Antibody (Ascites) (AAA283594) 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.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of MAP2 Antibody (AAA283594) with brain tissue followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

MAP2 Antibody (AAA283594) western blot analysis in MCF-7 cell line lysates (15ug/lane).This demonstrates the MAP2 antibody detected the MAP2 protein (arrow).(1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody	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.
Product Categories/Family for anti-MAP2 antibody	Neuroscience; Signal Transduction
References	Albala J.S.et.al. Gene 136:377-378(1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578394
NCBI GeneID	4133
NCBI Accession #	NP_001034627.1; NP_002365.3; NP_114033.2; NP_114035.2
NCBI GenBank Nucleotide #	NM_001039538.1
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
NCBI Official Full Name	microtubule-associated protein 2 isoform 5
NCBI Official Synonym Full Names	microtubule-associated protein 2
NCBI Official Symbol	MAP2
NCBI Official Synonym Symbols	MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	MAP2
UniProt Synonym Gene Names	MAP-2
UniProt Entry Name	MTAP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/map2-antibody-clone-159ct34-12-3-4-immunohistochemistry-immunofluorescence-western-blot-elisa/283594>