

Rabbit MAP2 Polyclonal Antibody | anti-MAP2 antibody

MAP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321833	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MAP2; Polyclonal Antibody; MAP2 Antibody; DKFZp686I2148; MAP 2; MAP dendrite specific; MAP-2; MAP2A; MAP2B; MAP2C; Microtubule associated protein 2; Microtubule-associated protein 2; MTAP2_HUMAN; anti-MAP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAP2 antibody detects endogenous levels of total MAP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	559
Applicable Applications for anti-MAP2 antibody	IHC (Immunohistochemistry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAP2
Subcellular Location	Cytoplasm, Cytoskeleton.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (82%), Horse (82%), Sheep (82%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA321833 at 1/100 dilution staining MAP2 in human brain by Immunohistochemistry using paraffin-embedded tissue



WB (Western Blot)

Western blot analysis of MAP2 expression in mouse brain. The lane on the left is treated with the antigen-specific peptide.



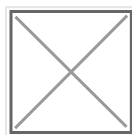
IHC (Immunohistochemistry)

AAA321833 staining MAP2 in mouse neurons by IHC.



WB (Western Blot)

Western blot analysis of MAP 2 expression in Mouse brain lysate



WB (Western Blot)

Western blot analysis of extracts of various celllines, using MAP2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2 antibody

Description: 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.
Subunit Structure: Interacts with KNDC1 (via KIND2); the interaction enhances MAP2 phosphorylation and localizes KNDC1 to dendrites.
Post-translational Modifications: Phosphorylated at serine residues in K-X-G-S motifs by MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), causing detachment from microtubules, and their disassembly (By similarity). Isoform 2 is probably phosphorylated by PKA at Ser-323, Ser-354 and Ser-386 and by FYN at Tyr-67. The interaction with KNDC1 enhances MAP2 threonine phosphorylation (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578394
NCBI GeneID	4133
NCBI Accession #	NP_001034627.1
NCBI GenBank Nucleotide #	NM_001039538.1
UniProt Accession #	P11137; Q17S04; Q8IUX2; Q99975; Q99976
Molecular Weight	Observed: 199 kDa Predicted: 200 kDa
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	MAP-2; 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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/map2-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321833>