

Rabbit MAP1B Polyclonal Antibody | anti-MAP1B antibody

MAP1B Antibody

CATALOG # AAA323246	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

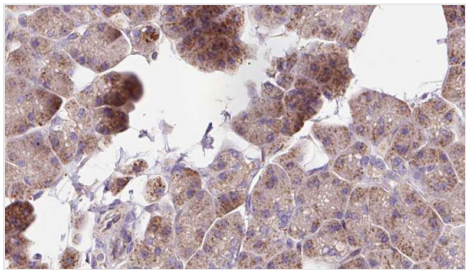
PRODUCT SYNONYMS

MAP1B; Polyclonal Antibody; MAP1B Antibody; FUTSCH; LC1; MAP-1B; MAP1 light chain LC1; Map1b; MAP1B_HUMAN; MAP5; Microtubule associated protein 1B; Mtap1b; Mtap5; anti-MAP1B antibody

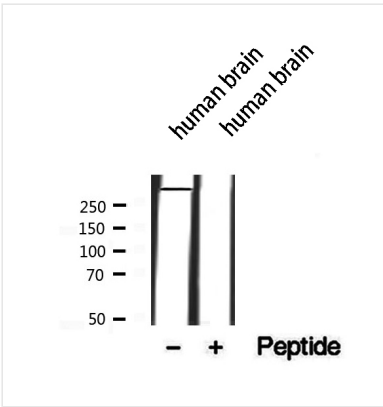
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAP1B antibody detects endogenous levels of MAP1B.
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	2468
Applicable Applications for anti-MAP1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAP1B.
Subcellular Location	Cytoplasm, Cytoskeleton. Cytoplasm. Cell Junction, Synapse. Cell Projection, Dendritic Spine. Colocalizes with DAPK1 in the microtubules and cortical actin fibers.
Predicted Cross Reactivity	Pig, Zebrafish, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323246 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from Human brain, using MAP1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP1B antibody	Function: Facilitates tyrosination of alpha-tubulin in neuronal microtubules (By similarity). Phosphorylated MAP1B may play a role in the cytoskeletal changes that accompany neurite extension. Possibly MAP1B binds to at least two tubulin subunits in the polymer, and this bridging of subunits might be involved in nucleating microtubule polymerization and in stabilizing microtubules. Acts as a positive cofactor in DAPK1-mediated autophagic vesicle formation and membrane blebbing. Subunit Structure: 3 different light chains, LC1, LC2 and LC3, can associate with MAP1A and MAP1B proteins. LC1 interacts with the amino-terminal region of MAP1B. Interacts with ANP32A and TIAM2. Interacts with the tubulin tyrosine TTL (By similarity). Interacts (via C-terminus) with GAN (via Kelch domains) (PubMed:12147674, PubMed:16227972). Interacts (via N-terminus) with DAPK1 (PubMed:18195017). Interacts with TMEM185A (PubMed:15525354). Interacts with MAP1LC3B (PubMed:24089205). Interacts with KIRREL3 (PubMed:25902260). Post-translational Modifications: LC1 is generated from MAP1B by proteolytic processing. S-nitrosylation at Cys-2464 enhances interaction with microtubules, and may act as an effector modification for neuronal nitric oxide synthase control of growth-cone size, growth-cone collapse and axon retraction. Similarity: Has a highly basic region with many copies of the sequence KKEE and KKEI/V, repeated but not at fixed intervals, which is responsible for the binding of MAP1B to microtubules. Belongs to the MAP1 family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	153945728
NCBI GeneID	4131
NCBI Accession #	NP_005900.2
NCBI GenBank Nucleotide #	NM_005909.4
UniProt Accession #	P46821; A2BDK5
Molecular Weight	Observed: 320 kDa Predicted: 271 kDa
NCBI Official Full Name	microtubule-associated protein 1B isoform 1
NCBI Official Synonym Full Names	microtubule associated protein 1B
NCBI Official Symbol	MAP1B
NCBI Official Synonym Symbols	MAP5; FUTSCH; PPP1R102
NCBI Protein Information	microtubule-associated protein 1B
UniProt Protein Name	Microtubule-associated protein 1B
UniProt Gene Name	MAP1B

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/map1b-antibody-immunohistochemistry-western-blot-elisa/323246>