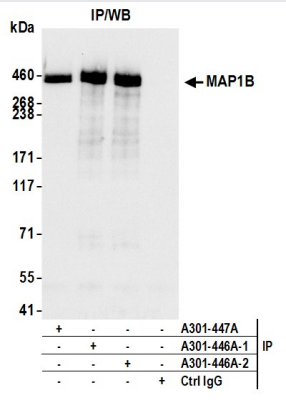
MAP1B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAP1B, Polyclonal Antibody
Full Product Name	Rabbit anti-MAP1B Antibody, Affinity Purified
Product Gene Name	anti-MAP1B antibody
Product Synonym Names	FUTSCH; MAP-1B; MAP5; microtubule-associated protein 1B; PPP1R102; protein phosphatase 1, regulatory subunit 102; Microtubule-associated protein 1B; microtubule associated protein 1B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	270,634 Da
OMIM	157129
3D Structure	ModBase 3D Structure for P46821
Predicted Reactivity	Mouse, Rat
Immunogen	Between 900 and 950
Conjugation	Unconjugated
Product Categories/Family for anti-MAP1B antibody	Primary Antibodies
Applications Tested/Suitable for anti-MAP1B antibody	Immunoprecipitation (IP)
Application Notes for anti-MAP1B antibody	IP: 6ug/mg lysate
Related Product Information for anti-MAP1B antibody	MAP1B is one of the founding members of the MAP (microtubule-associated protein) family of proteins involved in microtubule assembly. MAP1B is almost exclusively expressed in the developing brain and is critical for axon formation. MAP1B-null mice exhibit an absence of the corpus collosum and impaired axon development. MAP1B is processed by proteolytic cleavage that leads to the generation of a 300 kDa heavy chain and a 32 kDa LC1 light chain.
Other Notes	Small volumes of anti-MAP1B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAP1B purchase	MBS3901940 is an antibody targeting MAP1B. Also known as Rabbit anti-MAP1B Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-MAP1B antibody
Detection of human MAP1B by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MAP1B antibody MBS3901940 (lot MBS3901940-2) used for IP at 6 ug per reaction. MAP1B was also immunoprecipitated by a previous lot of this antibody (lot MBS3901940-1) and rabbit anti-MAP1B antibody MBS3901941. For blotting immunoprecipitated MAP1B, MBS3901940 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP1B. It may not necessarily be applicable to this product.

NCBI GI #	153945728
NCBI GeneID	4131
NCBI Accession #	NP_005900.2
UniProt Primary Accession #	P46821
UniProt Secondary Accession #	A2BDK5
UniProt Related Accession #	P46821
GenBank Nucleotide #	NM_005909.3
NCBI Official Full Name	microtubule-associated protein 1B
NCBI Official Synonym Full Names	microtubule-associated protein 1B
NCBI Official Symbol	MAP1B
NCBI Official Synonym Symbols	MAP5; FUTSCH; PPP1R102
UniProt Protein Name	Microtubule-associated protein 1B
Protein Family	Methionine aminopeptidase
UniProt Gene Name	MAP1B
UniProt Synonym Gene Names	MAP-1B
UniProt Entry Name	MAP1B_HUMAN
NCBI Protein Information	microtubule-associated protein 1B; MAP-1B; protein phosphatase 1, regulatory subunit 102

UniProt Comments for MAP1B	MAP1B: the function of brain MAPS is essentially unknown. 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. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 5q13 Cellular Component: microtubule; microtubule associated complex; postsynaptic density; cytoplasm; dendritic spine; plasma membrane; cell junction; cytosol Molecular Function: protein binding; microtubule binding; structural molecule activity Biological Process: negative regulation of intracellular transport; axon extension; positive regulation of axon extension; dendrite development; cellular process; microtubule bundle formation; mitochondrion transport along microtubule
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