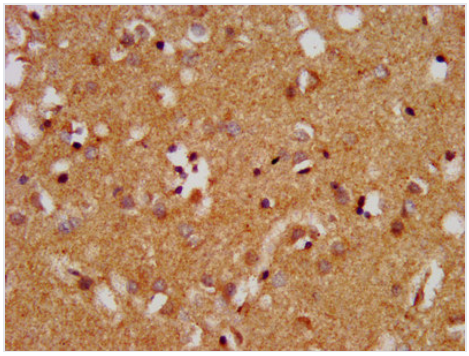
MAP1A Antibody – Rabbit Polyclonal

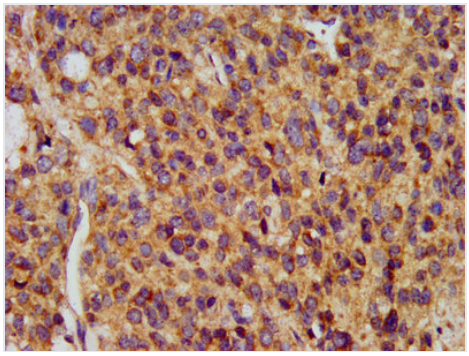
PRODUCT OVERVIEW

Product Name	MAP1A, Polyclonal Antibody
Full Product Name	MAP1A Antibody
Product Gene Name	anti-MAP1A antibody
Product Synonym Names	Microtubule-associated protein 1A; MAP-1A; Proliferation-related protein p80; MAP1A heavy chain; MAP1 light chain LC2; MAP1A; MAP1L
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: MAP1A (MBS7106995) HRP Conjugated Antibody: MAP1A (MBS7106996)
Matching Pairs	Unconjugated Antibody: MAP1A (MBS7106995) FITC Conjugated Antibody: MAP1A (MBS7106997)
Matching Pairs	Unconjugated Antibody: MAP1A (MBS7106995) Biotin Conjugated Antibody: MAP1A (MBS7106998)
Molecular Weight	305,671 Da
OMIM	U38291 Genomic DNA
3D Structure	ModBase 3D Structure for P78559
Immunogen	Recombinant Human Microtubule-associated protein 1A protein (1979-2168AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-MAP1A antibody	Neuroscience; Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAP1A antibody	ELISA (EIA), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-MAP1A antibody	IHC: 1:200-1:500 IF: 1:50-1:200
Related Product Information for anti-MAP1A antibody	Structural protein involved in the filamentous cross-bridging between microtubules and other skeletal elements.

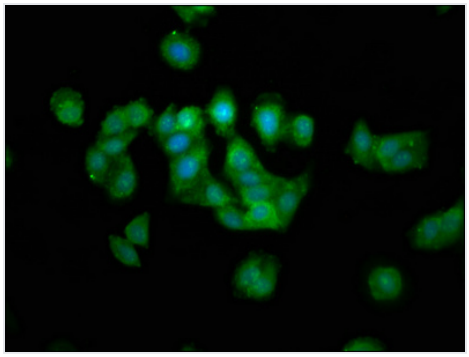
Other Notes	Small volumes of anti-MAP1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAP1A purchase	MBS7106995 is an antibody targeting MAP1A. Also known as MAP1A Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-MAP1A antibody
IHC image of MBS7106995 diluted at 1:400 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (IHC) of anti-MAP1A antibody
IHC image of MBS7106995 diluted at 1:400 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (IHC) of anti-MAP1A antibody
Immunofluorescence staining of HepG2 cells with MBS7106995 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP1A. It may not necessarily be applicable to this product.

NCBI GI #	95147555
NCBI GeneID	4130
NCBI Accession #	NP_002364.5
UniProt Primary Accession #	P78559
UniProt Secondary Accession #	O95643; Q12973; Q15882; Q9UJT4
UniProt Related Accession #	P78559
GenBank Nucleotide #	NM_002373.5
NCBI Official Full Name	microtubule-associated protein 1A
NCBI Official Synonym Full Names	microtubule associated protein 1A

NCBI Official Symbol	MAP1A
NCBI Official Synonym Symbols	MAP1L; MTAP1A
UniProt Protein Name	Microtubule-associated protein 1A
UniProt Synonym Protein Names	Proliferation-related protein p80
Protein Family	Methionine aminopeptidase
UniProt Gene Name	MAP1A
UniProt Synonym Gene Names	MAP1L; MAP-1A
NCBI Protein Information	microtubule-associated protein 1A
NCBI Summary for MAP1A	This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The product of this gene is a precursor polypeptide that presumably undergoes proteolytic processing to generate the final MAP1A heavy chain and LC2 light chain. Expression of this gene is almost exclusively in the brain. Studies of the rat microtubule-associated protein 1A gene suggested a role in early events of spinal cord development. [provided by RefSeq, Jul 2008]
Research Articles on MAP1A	**1.** MAP1A functions to maintain the neuronal microtubule network in the brain and mutations cause Purkinje cell degeneration.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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