

Product name:	MAP1A Rabbit Polyclonal Antibody
Cat number:	ABN13622
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human protein . at AA range: 1860-1940
Reactivity:	Human,Mouse,Rat
Applications:	IHC 1:50-1:300,ICC/IF 1:50-1:200
Molecular Weight:	308kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	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],domain:The basic region containing the repeats may be responsible for the binding of MAP1A to microtubules.,function:Structural protein involved in the filamentous cross-bridging between microtubules and other skeletal elements.,PTM:LC2 is generated from MAP1A by proteolytic processing.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the MAP1 family.,subunit:3 different light chains, LC1, LC2 and LC3, can associate with MAP1A and MAP1B proteins. Interacts with TIAM2. Interacts with guanylate kinase-like domain of DLG1, DLG2, DLG4.,tissue specificity:Brain.,