Summary

Production Name	MAP1A Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MAP1A MAP1L
Alternative Names	
Gene ID	4130.0
SwissProt ID	P78559.Synthesized peptide derived from human protein . at AA range: 1860-1940

Application

Dilution Ratio	IHC 1:50-300
Molecular Weight	308kD

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.,

Research Area

Image Data
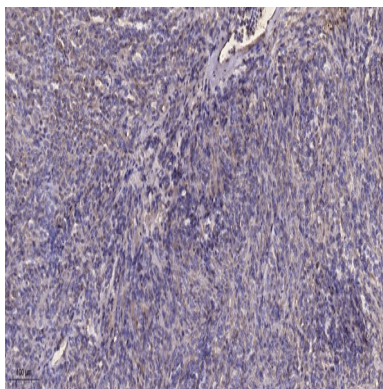
Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200（4° overnight）． 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 45min）．

Note
For research use only.