



MAP1A Polyclonal Antibody

Catalog No	YP-Ab-05728
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF
Gene Name	MAP1A MAP1L
Immunogen	Synthesized peptide derived from human protein . at AA range: 1860-1940
Specificity	MAP1A Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-300. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LC2;MAP1A;MAP1A protein;MAP1L;MTAP1A;MAP1A MAP1L;Microtubule-associated protein 1A (MAP-1A) (Proliferation-related protein p80) [Cleaved into: MAP1A heavy chain;MAP1 light chain LC2]
Observed Band	308kD
Calculated Molecular Weight	308kD
Cell Pathway	Cytoplasm, cytoskeleton .
Tissue Specificity	Brain.
Function	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.,



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],

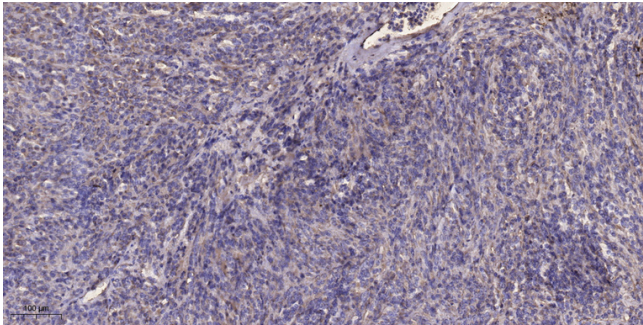
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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).