Product Name: MAP-2 Rabbit Polyclonal Antibody
Catalog #: APRab13626
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	280kDa

Antigen Information

Gene Name	MAP2
Alternative Names	MAP2; Microtubule-associated protein 2; MAP-2
Gene ID	4133.0
SwissProt ID	P11137
Immunogen	The antiserum was produced against synthesized peptide derived from human MAP-2. AA range:14-63

Background

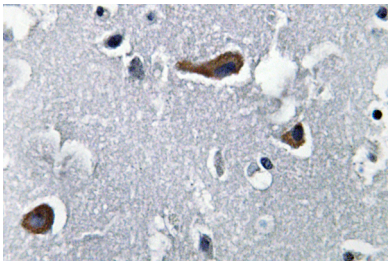
This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought

to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dentrites, implicating a role in determining and stabilizing dentritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2010],alternative products:Additional isoforms seem to exist,function:The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.,PTM:MAP2A/c is phosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 3 Tau/MAP repeats.,similarity:Contains 4 Tau/MAP repeats.,

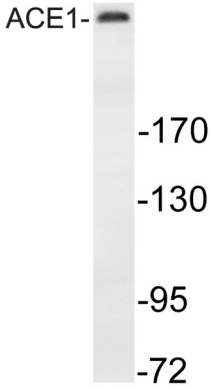
Research Area

Neuroscience

Image Data



Immunohistochemistry analysis of MAP-2 antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from mouse brain, using MAP-2 antibody.