

MAP2(N-term) mouse mAb

Catalog No :	YM1513
Reactivity :	Human;Mouse
Applications :	WB;IP;ICC
Target :	MAP-2
Gene Name :	map2
Human Gene Id :	4133
Human Swiss Prot No :	P11137
Mouse Swiss Prot No :	P20357
Immunogen :	Purified recombinant human MAP2 (N-terminus) protein fragments expressed in E.coli
Specificity :	This antibody detects endogenous levels of MAP2 (N-terminus) and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000 icc dilution 1:150
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	300kD
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 dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2010],

Function :

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.,

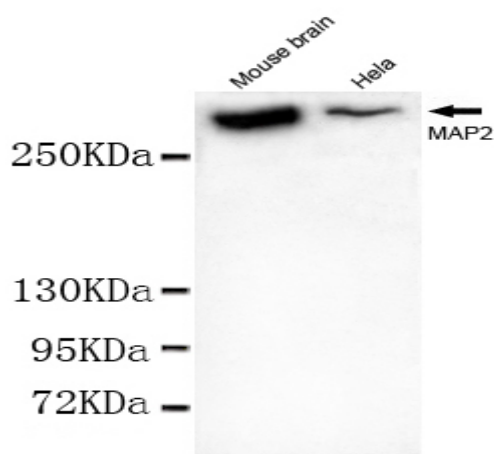
Subcellular Location :

Cytoplasm, cytoskeleton . Cell projection, dendrite .

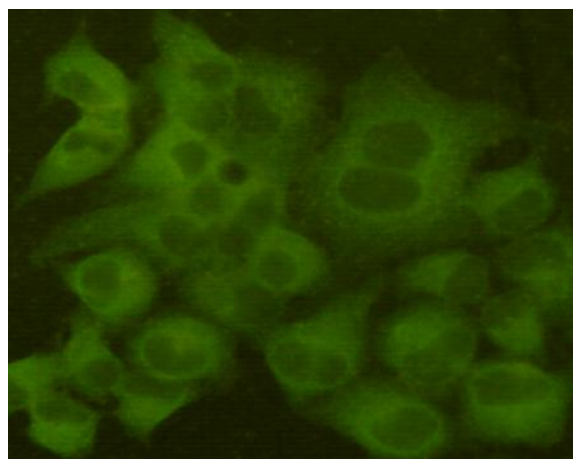
Expression :

Brain,Brain cortex,Epithelium,Pancreas,Testis,

Products Images



Western blot detection of MAP2(N-terminus) in Mouse Brain tissue and HeLa cell lysates using MAP2(N-terminus) mouse mAb (1:1000 diluted). Predicted band size: 202KDa. Observed band size: 300KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-MAP2(N-term) mouse mAb (dilution 1:100).

Ctrl IgG IP:	-	+	-
MAP2 IP:	-	-	+

Immunoprecipitation analysis of HeLa cell lysates using MAP2 (N-terminus) mouse mAb.

