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MAP2 (N-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52687

Product Information

Application	WB, ICC, IP
Primary Accession	P11137
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	199526

Additional Information

Gene ID	4133
Other Names	DKFZp686I2148;Dendrite specific MAP;DKFZp686I2148;MAP 2;MAP dendrite specific;MAP-2; MAP2;MAP2A;MAP2B;MAP2C;Microtubule associated protein 2;Microtubule-associated protein 2;Mtap 2;MTAP2_HUMAN.
Dilution	WB~~1:1000 ICC~~1:150 IP~~1:500
Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine(pH 7.4,150mM NaCl)with 0.09% (W/V)sodium azide,0.1%BSA,50%glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	MAP2
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.
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

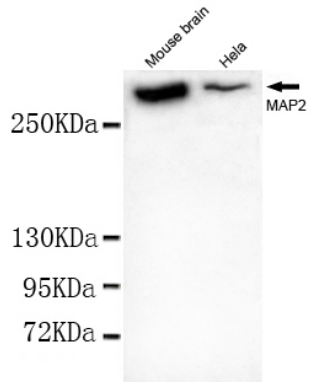
Background

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.

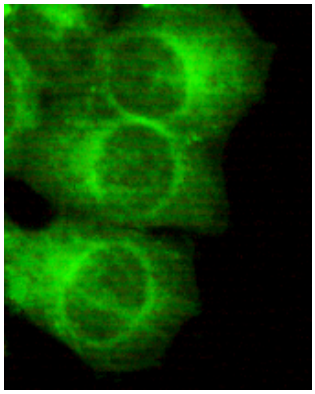
References

Price R.,et al.Submitted (SEP-1993) to the EMBL/GenBank/DDBJ databases.
Albala J.S.,et al.Gene 136:377-378(1993).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Dammerman M.,et al.J. Neurosci. Res. 24:487-495(1989).

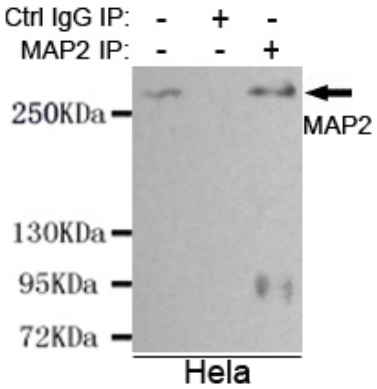
Images



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 of HeLa cells using anti-MAP2 (N-terminus) mouse mAb diluted 1:150.



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