



## MAP2(N-term) mouse mAb

Catalog No	BYab-02966
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IP;ICC
Gene Name	map2
Protein Name	
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
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000 icc dilution 1:150
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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.
Observed Band	300kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection, dendrite .
Tissue Specificity	Brain,Brain cortex,Epithelium,Pancreas,Testis,
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.,
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

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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],

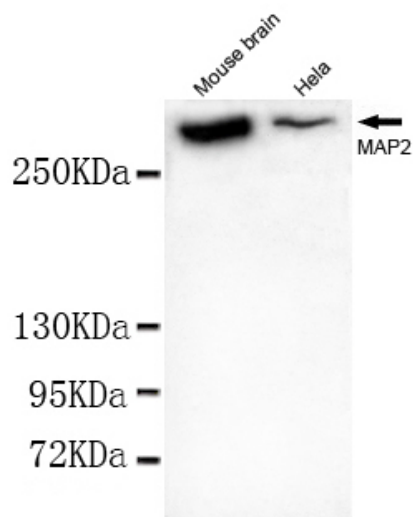
**matters needing attention**

Avoid repeated freezing and thawing!

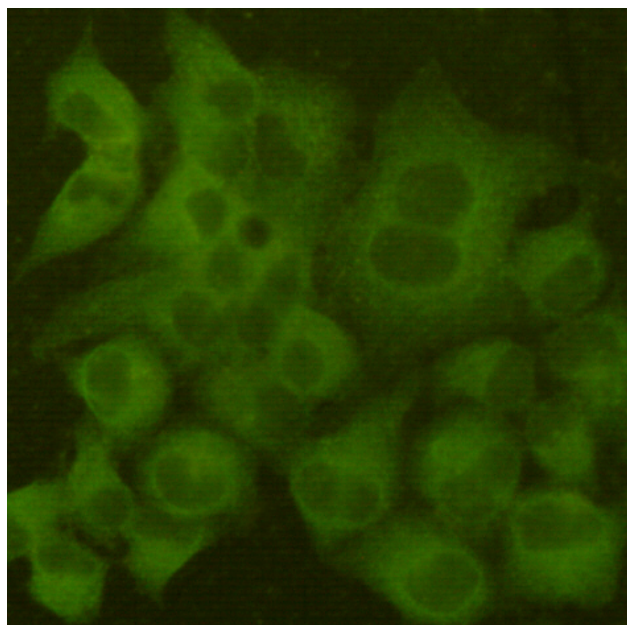
**Usage suggestions**

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

## Products Images



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.



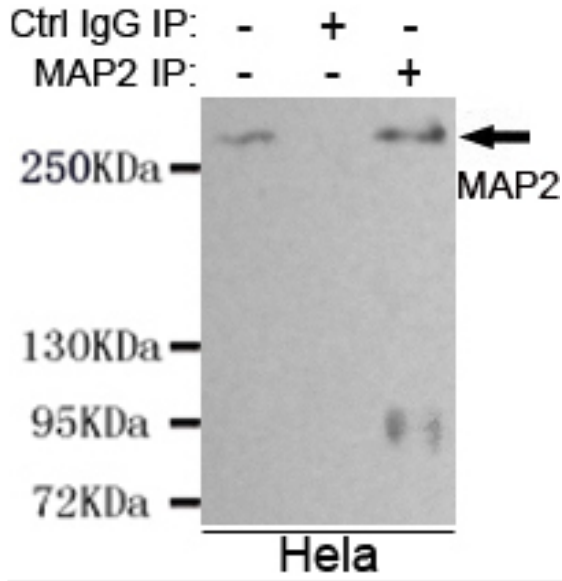
Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-MAP2(N-term) mouse mAb (dilution 1:100).

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