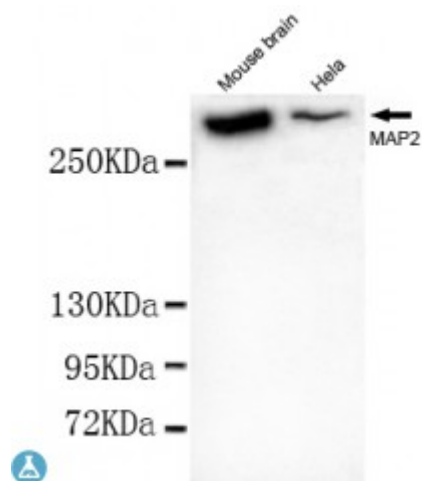


Anti-MAP2 antibody



Description	Mouse monoclonal to MAP2.
Model	STJ99309
Host	Mouse
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Purified recombinant human MAP2 (N-term) protein fragments expressed in E.coli.
Immunogen Region	N-term
Gene ID	4133
Gene Symbol	MAP2
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of MAP2 (N-term) and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	1D7-B9-C8-F6
Note	For Research Use Only (RUO).
Protein Name	Microtubule-associated protein 2 MAP-2
Molecular Weight	300kDa
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG2b
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6839OMIM:157130
Alternative Names	Microtubule-associated protein 2 MAP-2
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 Localization	Cytoplasm, cytoskeleton Cell projection, dendrite
Post-translational Modifications	Phosphorylated at serine residues in K-X-G-S motifs by MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), causing detachment from microtubules, and their disassembly . Isoform 2 is probably phosphorylated by PKA at Ser-323, Ser-354 and Ser-386 and by FYN at Tyr-67. The interaction with KNDC1 enhances MAP2 threonine phosphorylation .