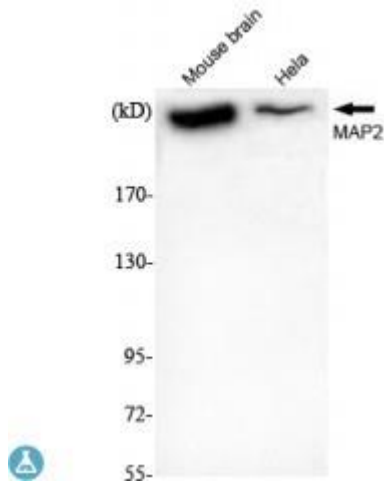


Anti-MAP-2 antibody

Cat #NB-22-8615 (100 µl)

Cat #NB-22-8615-S (20 µl)



Description

Mouse monoclonal to MAP-2.

Product informations

Model	NB-22-8615
Host	Mouse
Reactivity	Bovine, Human, Mouse, Rat, Swine
Applications	IF, WB
Immunogen	Purified recombinant human MAP-2 (N-terminal) protein fragments expressed in E.coli.
Immunogen Region	N-terminal
Gene ID	4133
Gene Symbol	MAP2
Dilution range	WB 1:1000-1:2000IF 1:100-1:500
Specificity	MAP-2 Monoclonal Antibody detects endogenous levels of MAP-2 protein.
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Microtubule-associated protein 2 MAP-2
Clonality	Monoclonal

Conjugation	Unconjugated
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
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 .