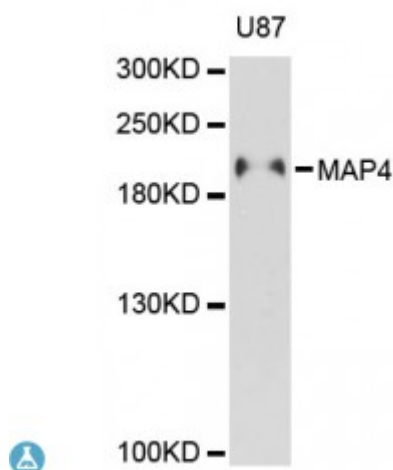


Anti-MAP4 Antibody



Description

The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene.

Model	STJ116286
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 942-1152 of human MAP4 (NP_002366.2).
Gene ID	4134
Gene Symbol	MAP4
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Microtubule-associated protein 4 MAP-4

Molecular Weight	121.005 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6862OMIM:157132
Alternative Names	Microtubule-associated protein 4 MAP-4
Function	Non-neuronal microtubule-associated protein, Promotes microtubule assembly,
Cellular Localization	Cytoplasm, cytoskeleton
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 , Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly, Isoform 3 is phosphorylated on Ser-337 and Ser-338,