



MAP4 Polyclonal Antibody

Catalog No	YP-Ab-10792
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	MAP4
Immunogen	Synthesized peptide derived from human MAP4 Polyclonal
Specificity	This antibody detects endogenous levels of MAP4.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAP 4;MAP4;Microtubule-associated protein 4 (MAP-4)
Observed Band	85kD
Calculated Molecular Weight	85kD
Cell Pathway	Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, microtubule organizing center . Recruitment to microtubule is inhibited by microtubules polyglutamylation. .
Tissue Specificity	Bone marrow,Brain,Cerebellum,Colon carcinoma,Epithelium,Eye,Heart,Liver,Lym
Function	alternative products:Additional isoforms seem to exist,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Non-neuronal microtubule-associated protein. Promotes microtubule assembly.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR (By similarity). Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338.,similarity:Contains 3 Tau/MAP repeats.,similarity:Contains 4 Tau/MAP repeats.,



Background

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. [provided by RefSeq, Aug 2008],

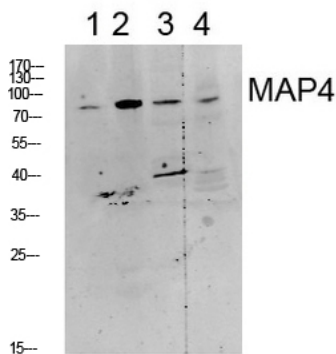
matters needing attention

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



- 1 mouse-brain
- 2 mouse-liver
- 3 CACO2
- 4 3T3

Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000