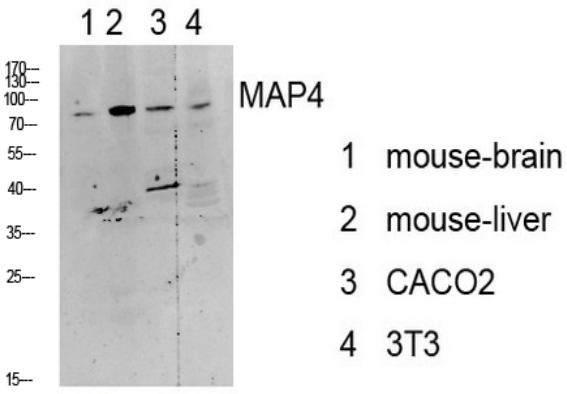
Best Tools for immunology Research

MAP-4 Polyclonal Antibody

Catalog No :	YT6117
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	MAP4
Gene Name :	MAP4
Protein Name :	Microtubule-associated protein 4 (MAP-4)
Human Gene Id :	4134
Human Swiss Prot No :	P27816
Mouse Gene Id :	17758
Mouse Swiss Prot No :	P27546
Rat Gene Id :	367171
Rat Swiss Prot No :	Q5M7W5
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
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	121kD
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],
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.,
Subcellular Location :	Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, microtubule organizing center . Recruitment to microtubule is inhibited by microtubules polyglutamylation. .
Expression :	Bone marrow,Brain,Cerebellum,Colon carcinoma,Epithelium,Eye,Heart,Liver,Lym
Tag :	hot
Sort :	9371
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



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