

MAP2 rabbit-FC recombinant protein

Catalog No :	YD3102
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	MAP2
Protein Name :	Microtubule-associated protein 2
Sequence :	Amino acid:1-200,with rabbit FC tag.
Human Gene Id :	4133
Human Swiss Prot No :	P11137
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	<p>This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2010],</p>
Function :	<p>alternative products:Additional isoforms seem to exist,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.,PTM:MAP2A/c is phosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 3 Tau/MAP repeats.,similarity:Contains 4 Tau/MAP repeats.,</p>
Subcellular Location :	Cytoplasm, cytoskeleton . Cell projection, dendrite .

Expression : Brain,Brain cortex,Epithelium,Pancreas,Testis,

Products Images