MAP2 (Phospho-Thr1616) Monoclonal Antibody

Catalog No	BYmab-10342
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	MAP2
Protein Name	MAP2 (Phospho-Thr1616)
Immunogen	Synthesized peptide derived from human MAP2 (Phospho-Thr1616)
Specificity	This antibody detects endogenous phospho levels of MAP2 (Phospho-Thr1616) at Human:T1616, Mouse:T1620, Rat:T1622
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Microtubule-associated protein 2 (MAP-2)
Observed Band	280kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection, dendrite .
Tissue Specificity	Brain,Brain cortex,Epithelium,Pancreas,Testis,
Function	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.,
Background	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 dentrites, implicating a role in determining and stabilizing dentritic shape during

	neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2010],
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.

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