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CaMKII $\beta/\gamma/\delta$ (Phospho Thr287) Monoclonal Antibody(4H2)

Catalog No YP-Ab-14245 Isotype IgG Reactivity Human;Rat;Mouse Applications IHC;IF Gene Name Protein Name Immunogen Synthetic Peptide of CaMKIIβ/y/δ (Phospho Thr287) Specificity CaMKIIβ/y/δ (Phospho Thr287) protein detects endogenous levels of CaMKIIβ/y/δ (Phospho Thr287) protein detects endogenous levels of CaMKIIβ/y/δ (Phospho Thr287) Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse Purification The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. Dilution IHC 1:100-200. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta; CaM kinase II subunit beta; CaMK-II subunit beta; CAMK2B; CAMK2; CAMK-II; CAMKG; Calcium/calmodulin-dependent protein kinase type II subunit gamma; Observed Band ObxD Cell Pathway Cytoplasm, cytoskeleton . Cytoplasm, cytoskeleton, miorotubule organizing center; centrosome: Sarcoplasmic reticulum membrane : Peripheral membrane protein; Cytoplasmic side . Cell junction, synapse. In sl		
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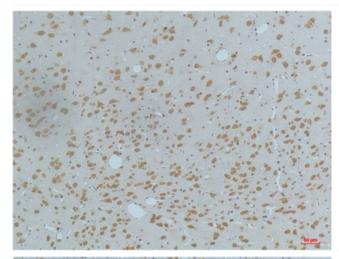
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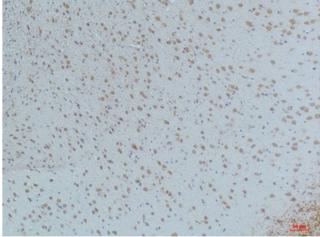
	signaling complex in excitatory synapses, it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.,similarity:Contains 1 protein kinase domain.,subunit:CAMK2 is composed of four different
Background	The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],
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



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CaMKII β / γ / δ (Phospho Thr287) (mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using CaMKII β / γ / δ (Phospho Thr287) Mouse mAb diluted at 1:200.