



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

Cat #: ABM40225

Size: 30 $\mu$ l /100 $\mu$ l /200 $\mu$ l

### Product Information

	<b>Product Name:</b> CaMKII $\beta/\gamma/\delta$ (Phospho Thr287) Monoclonal Antibody		
	<b>Applications:</b> IHC-P		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Human, Mouse, Rat		
<b>REF</b>	<b>Catalog Number:</b> ABM40225	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** The product of CAMK2B (calcium/calmodulin dependent protein kinase II beta) 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 CAMK2B 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.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:100-1:200).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

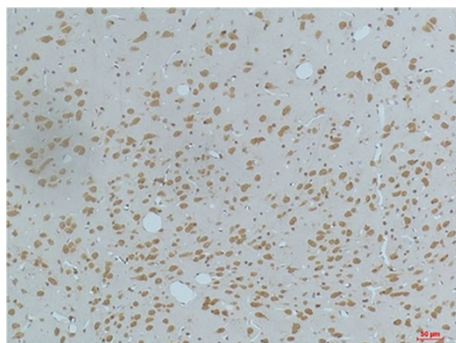


Fig.1. Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CaMKII $\beta/\gamma/\delta$  (Phospho Thr287) (mAb diluted at 1:200).

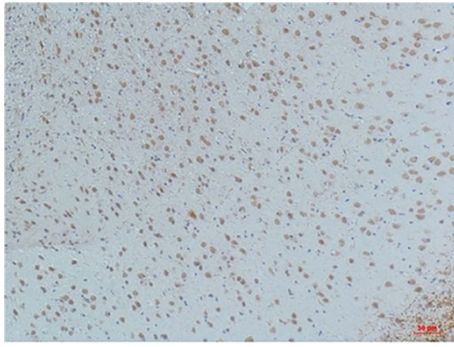


Fig.2. Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using CaMKII $\beta/\gamma/\delta$  (Phospho Thr287) Mouse mAb diluted at 1:200.

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