

## pan-CaMKII Rabbit Monoclonal Antibody

### Catalog #: EAB21506

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IHC-P, IF/ICC	54	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>WB</b> (Western Blotting)	1:500-2000
<b>IHC-P</b> (Immunohistochemistry-Paraffin)	1:50-200
<b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry)	1:50-200

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	pan-CaMKII Rabbit Monoclonal Antibody detects endogenous levels of pan-CaMKII protein.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
<b>UniProt ID</b>	<a href="#">Q13554</a> , <a href="#">Q13555</a> , <a href="#">Q13557</a> , <a href="#">Q9UQM7</a>
<b>Entrez-Gene Id</b>	<a href="#">816</a> , <a href="#">818</a> , <a href="#">817</a> , <a href="#">815</a>

### Product Description

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.

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