

pan-CaMKII Rabbit Monoclonal Antibody

Catalog #: EAB21507

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IHC, 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.

WB (Western Blotting)	1:500-2000
IHC (Immunohistochemistry)	1:20-200
IF/ICC (Immunofluorescence/Immunocytochemistry)	1:20-200

Product Information

Conjugate	Unconjugate
Specificity	pan-CaMKII Rabbit Monoclonal Antibody detects endogenous levels of pan-CaMKII protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	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
UniProt ID	Q13554 , Q13555 , Q13557 , Q9UQM7
Entrez-Gene Id	816 , 818 , 817 , 815

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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