SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-CAMK2B Monoclonal Antibody

Catalog Number: SLA0839M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	1H12
GeneID:	816
SWISS:	Q13554
Target:	CAMK2B
Immunogen:	Human CaMKII between 200-300 amino acids
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-1000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	61 kDa
Subcellular Location:	Cytoplasm
Background:	The multifunctional CaMKII beta, or Ca2+/calmodulin-dependent protein kinase II, is a well known effector of calcium- and calmodulin- mediated functions. It is present in many tissues but is most abundant in the brain. CaMKII is composed of four different chains: alpha, beta, gamma, and delta. The different isoforms assemble into homo- or heteromultimeric holoenzymes composed of 8 to 12 subunits. Autophosphorylation plays an important role in the regulation of the kinase activity. CaMKII is required for synaptic plasticity,

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	as in Long Term Potentiation (LTP), a cellular model for learning and memory.

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