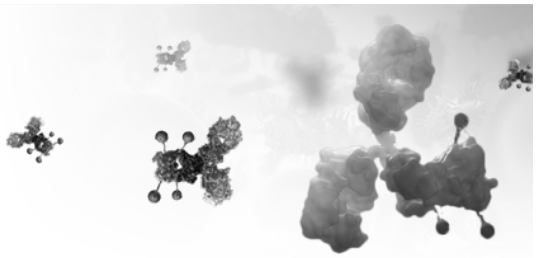

Anti-CAMK2B (aa 450-550) polyclonal antibody (DPABH-24793)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses, it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 450 - 550 of Human CaMKII.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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GENE INFORMATION

Gene Name	CAMK3B calcium/calmodulin-dependent protein kinase II beta [Homo sapiens]
Official Symbol	CAMK2B
Synonyms	CAMK2B; calcium/calmodulin-dependent protein kinase II beta; CAM2; CAMK2; CAMKB; calcium/calmodulin-dependent protein kinase type II subunit beta; caMK-II subunit beta; CaM-kinase II beta chain; CaM kinase II beta subunit; proline rich calmodulin-dependent protein kinase;
Entrez Gene ID	816
Protein Refseq	NP_001211.3
UniProt ID	A4D2J9
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events; Adrenergic signaling in cardiomyocytes; Amphetamine addiction; CREB phosphorylation through the activation of Ras
Function	ATP binding; actin binding; calmodulin binding; calmodulin-dependent protein kinase activity

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