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CAMK2A Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Image



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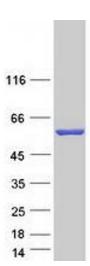
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Quantity:	20 μg
Target:	CAMK2A
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMK2A protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human Calcium/calmodulin-dependent protein kinase II alpha (CAMK2A), transcript variant 1 (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	CAMK2A
Abstract:	CAMK2A Products
Background:	The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for

several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent

Target Details

- Target Details				
	protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene.			
Molecular Weight:	55.1 kDa			
NCBI Accession:	NP_057065			
Pathways:	WNT Signaling, Interferon-gamma Pathway, Myometrial Relaxation and Contraction			
Application Details				
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays			
Comment:	The tag is located at the C-terminal.			
Restrictions:	For Research Use only			
Handling				
Concentration:	50 μg/mL			
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.			
Storage:	-80 °C			
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.			



Western Blotting

Image 1. Validation with Western Blot