

For Research Use Only

# PRKACB Recombinant antibody, PBS Only

Catalog Number: 85716-2-PBS



## Basic Information

<b>Catalog Number:</b> 85716-2-PBS	<b>GenBank Accession Number:</b> NM_002731	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5567	<b>CloneNo.:</b> 242947A6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22694	
<b>Isotype:</b> IgG	<b>Full Name:</b> protein kinase, cAMP-dependent, catalytic, beta	
	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 36-46 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

PRKACB, also named as PKA C-beta, belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family and cAMP subfamily. It mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux.

## Storage

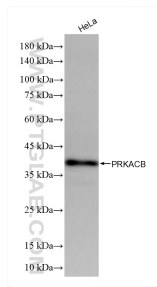
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



HeLa cell lysates were subjected to SDS PAGE followed by western blot with 85716-2-RR (PRKACB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85716-2-PBS in a different storage buffer formulation.