



Datasheet for ABIN1539464  
**anti-PRKAR1B antibody (N-Term)**



[Go to Product page](#)

1 Image

### Overview

Quantity:	400 µL
Target:	PRKAR1B
Binding Specificity:	AA 55-84, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAR1B antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This PRKAR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-84 amino acids from the N-terminal region of human PRKAR1B.
Clone:	RB36756
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	PRKAR1B
Alternative Name:	PRKAR1B ( <a href="#">PRKAR1B Products</a> )
Background:	Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway

## Target Details

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of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion transport, and gene transcription. The PKA holoenzyme is composed of 2 regulatory and 2 catalytic subunits and dissociates from the regulatory subunits upon binding of cAMP.[supplied by OMIM].

Molecular Weight:	43073
Gene ID:	5575
NCBI Accession:	<a href="#">NP_001158230</a> , <a href="#">NP_001158231</a> , <a href="#">NP_001158232</a> , <a href="#">NP_001158233</a> , <a href="#">NP_001158234</a> , <a href="#">NP_002726</a>
UniProt:	<a href="#">P31321</a>
Pathways:	<a href="#">Hedgehog Signaling</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a>

## Application Details

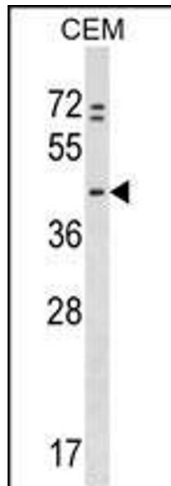
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Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	PRKAR1B Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



### Western Blotting

**Image 1.** PRKAR1B Antibody (N-term) (ABIN1539464 and ABIN2848837) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the PRKAR1B antibody detected the PRKAR1B protein (arrow).