

**PRKAR1B Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17198a**

**Specification**

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**PRKAR1B Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P31321</a>
Other Accession	<a href="#">NP_001158230.1</a> , <a href="#">NP_001158231.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43073
Antigen Region	55-84

**PRKAR1B Antibody (N-term) - Additional Information**

**Gene ID** 5575

**Other Names**

cAMP-dependent protein kinase type I-beta regulatory subunit, PRKAR1B

**Target/Specificity**

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.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRKAR1B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRKAR1B Antibody (N-term) - Protein Information**

**Name** PRKAR1B

**Function** Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.

**Cellular Location**

Cell membrane.

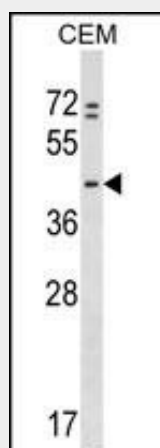
**Tissue Location**

Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

**PRKAR1B Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PRKAR1B Antibody (N-term) - Images**

PRKAR1B Antibody (N-term) (Cat. #AP17198a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the PRKAR1B antibody detected the PRKAR1B protein (arrow).

**PRKAR1B Antibody (N-term) - Background**

Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway 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].

**PRKAR1B Antibody (N-term) - References**

Silva, L.K., et al. Eur. J. Hum. Genet. (2010) In press :  
Liu, Y.J., et al. Obesity (Silver Spring) (2010) In press :

Zhan, X., et al. Anal. Biochem. 354(2):279-289(2006)  
Gullingsrud, J., et al. Structure 14(1):141-149(2006)  
Zhang, L., et al. Mol. Cell. Biol. 24(5):2169-2180(2004)