10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PRKAR1B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17198a

Specification

PRKAR1B Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P31321
Other Accession	NP_001158230.1, NP_001158231.1
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
E~~Use at an assay dependent concentration.

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.

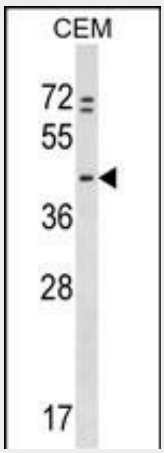
Tissue Location
Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

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 Cytomety
- 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

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