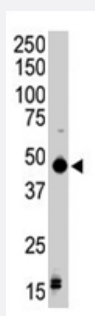


# PRKAR1B polyclonal antibody

Catalog # PAB2018

Size 400 uL

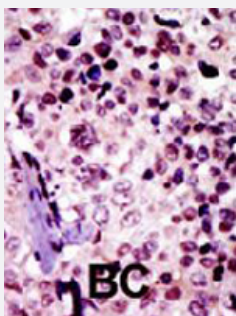
## Applications



### Western Blot (Tissue lysate)

Western blot analysis of PRKAR1B polyclonal antibody (Cat # PAB2018) in mouse liver tissue lysate. PRKAR1B (arrow) was detected using purified Polyclonal antibody.

Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PRKAR1B polyclonal antibody (Cat # PAB2018), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRKAR1B.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRKAR1B.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — PRKAR1B

<b>Entrez GeneID</b>	<a href="#">5575</a>
<b>Protein Accession#</b>	<a href="#">NP_002726:P31321</a>
<b>Gene Name</b>	PRKAR1B
<b>Gene Alias</b>	PRKAR1
<b>Gene Description</b>	protein kinase, cAMP-dependent, regulatory, type I, beta
<b>Omim ID</b>	<a href="#">176911</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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]

Other Designations

-

## Publication Reference

- [Human regulatory subunit RI beta of cAMP-dependent protein kinases: expression, holoenzyme formation and microinjection into living cells.](#)

Solberg R, Tasken K, Wen W, Coghlan VM, Meinkoth JL, Scott JD, Jahnsen T, Taylor SS.

Experimental Cell Research 1994 Oct; 214(2):595.

Application: IP, WB-Ce, WB-Re, N/A, Recombinant protein

- [Molecular cloning, cDNA structure and tissue-specific expression of the human regulatory subunit RI beta of cAMP-dependent protein kinases.](#)

Solberg R, Tasken K, Keiserud A, Jahnsen T.

Biochemical and Biophysical Research Communications 1991 Apr; 176(1):166.

## Pathway

- [Apoptosis](#)
- [Insulin signaling pathway](#)