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Datasheet for ABIN6146183  
**anti-PRKACB antibody (AA 1-351)**

5 Images

Overview

Quantity:	100 µL
Target:	PRKACB
Binding Specificity:	AA 1-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-351 of human PRKACB (NP_002722.1).
Sequence:	MGNAATAKKG SEVESVKEFL AKAKEDFLKK WENPTQNNAG LEDFERKCTL GTGSFGRVML VKHKATEQYY AMKILDKQKV VKLKQIEHTL NEKRILQAVN FPFLVRLEYA FKDNSNLYMV MEYVPGGEMF SHLRRIGRFS EPHARFYAAQ IVLTFEYLHS LDLIYRDLKP ENLLIDHQGY IQVTDGFAK RVKGRTWTLG GTPEYLAPEI ILSKGYNKAV DWWALGVLIY EMAAGYPPFF ADQPIQIYEK IVSGKVRFPS HFSSDLKDLL RNLLQVDLTK RFGNLKNGVS DIKTHKWFAT TDWIAIYQRK VEAPFIPKFR GSGDTSNFDD YEEEDIRVSI TEKCAKEFGE F
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target: PRKACB

Alternative Name: PRKACB ([PRKACB Products](#))

Background: The protein encoded by this gene is a member of the serine/threonine protein kinase family. The encoded protein is a catalytic subunit of cAMP (cyclic AMP)-dependent protein kinase, which mediates signalling through cAMP. cAMP signaling is important to a number of processes, including cell proliferation and differentiation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.,PRKACB,PKA C-beta,PKACB,PKAC-beta,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Cell Cycle,Centrosome,Cytoskeleton,Actins,Endocrine & Metabolism,Lipid Metabolism,AMPK Signaling Pathway,Insulin Receptor Signaling Pathway,Immunology & Inflammation,NF-kB Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,PRKACB

Molecular Weight: 29 kDa/36 kDa/39 kDa/40 kDa/41 kDa/46 kDa

Gene ID: 5567

UniProt: [P22694](#)

Pathways: [AMPK Signaling](#), [Hedgehog Signaling](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [Myometrial Relaxation and Contraction](#), [M Phase](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#), [Lipid Metabolism](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

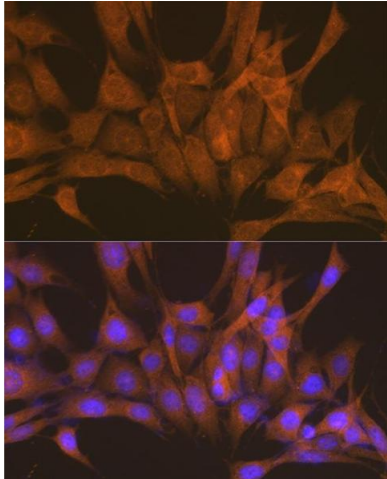
## Handling

should be handled by trained staff only.

Storage: -20 °C

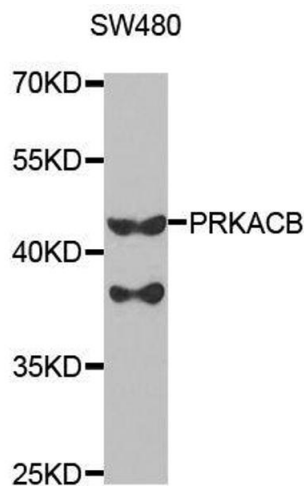
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



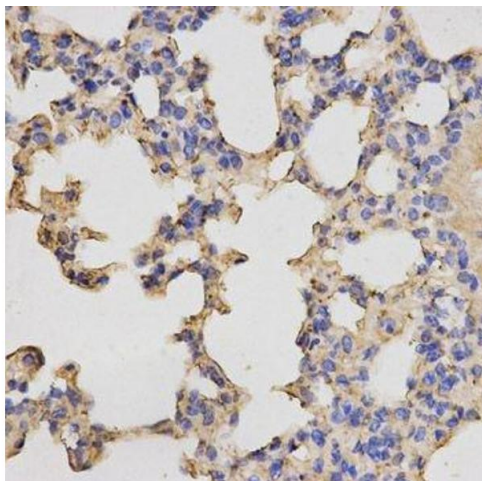
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using PRKACB Rabbit pAb (ABIN6132241, ABIN6146183, ABIN6146184 and ABIN6220953) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of SW480 cells, using PRKACB antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded mouse lung using PRKACB antibody.

## Images

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Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6146183.