

Datasheet for ABIN2786692

anti-PRKAR1B antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	PRKAR1B
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Cow, Guinea Pig, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAR1B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRKAR1B
Sequence:	LNRPRAATVV ARGPLKCVKL DRPRFERVLG PCSEILKRNI QRYNSFISLT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 92%, Human: 100%, Mouse: 100%, Rabbit: 85%, Rat: 100%, Sheep: 85%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRKAR1B. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PRKAR1B
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Target Details

Alternative Name:	PRKAR1B (PRKAR1B Products)
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 Alias Symbols: PRKAR1 Protein Interaction Partner: UBC, DUS3L, THG1L, EEF2K, CALU, PRKACB, PRKACA, Dlg4, CUL3, WNK1, EGFR, PPP1R9A, WRN, SMAD3, AKAP1, SMAD4, PRKAR1A, PRKAR1B, Protein Size: 381
Molecular Weight:	43 kDa
Gene ID:	5575
NCBI Accession:	NM_002735 , NP_002726
UniProt:	P31321
Pathways:	Hedgehog Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 381 AA
Restrictions:	For Research Use only

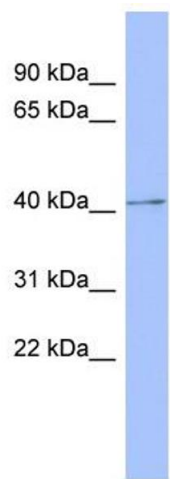
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting				
Image	1.	WB	Suggested	Anti-PRKAR1B Antibody
Titration: 0.2-1 ug/ml				
ELISA Titer: 1:1562500				
Positive Control: Human heart				