

Datasheet for ABIN2786690
anti-PRKACB antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PRKACB
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Horse, Rabbit, Guinea Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRKACB
Sequence:	MGNAATAKKG SEVESVKEFL AKAKEDFLKK WENPTQNNAG LEDFERKKTL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRKACB. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PRKACB
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Target Details

Alternative Name:	PRKACB (PRKACB Products)
Background:	<p>cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase.</p> <p>Alias Symbols: DKFZp781I2452, MGC41879, MGC9320, PKACB</p> <p>Protein Interaction Partner: APPBP2, UBC, TP53RK, TPRKB, KIAA1279, ARPC2, ACTR2, ACTR3, ARPC1B, ARPC4, SUMO1, PFDN1, CDK5RAP2, MAPRE1, AKAP11, DCAF7, AKAP9, TRAP1, PDE4DIP, AKAP5, AKAP7, VAPA, VAPB, DYNLL1, AKAP1, RPS6, RPL27A, PRKAR2B, PRKAR2A, PRKAR1B, PRKAR1A, PRKACA, HSP90AB1, HS</p> <p>Protein Size: 257</p>
Molecular Weight:	28 kDa
Gene ID:	5567
NCBI Accession:	NM_207578 , NP_997461
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

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 257 AA
Restrictions:	For Research Use only

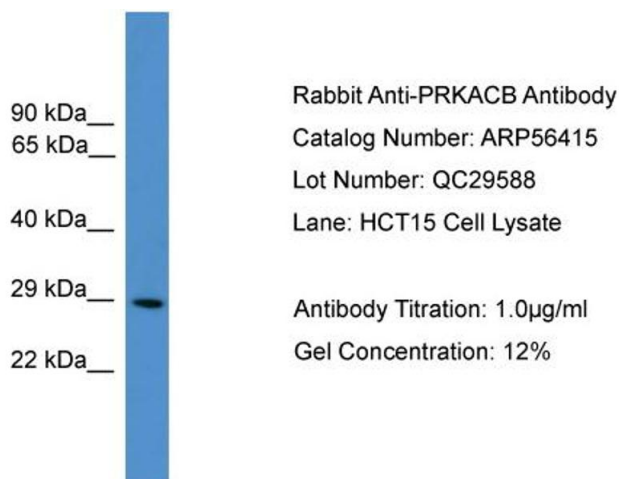
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

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.
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

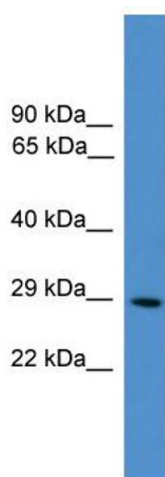


Western Blotting

Image 1. WB Suggested Anti-PRKACB

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: HCT15 cell lysate



Western Blotting

Image 2. WB Suggested Anti-PRKACB Antibody Titration:

0.2-1 µg/mL

ELISA Titer: 1:1562500

Positive Control: HCT15 cell lysate