

Rabbit anti-Human PKA C-beta (PRKACB) Polyclonal Antibody | anti-PRKACB antibody

PKA C-beta (PRKACB) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284109	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

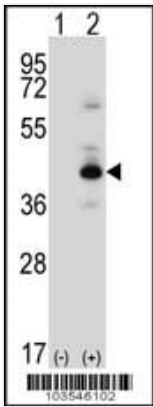
PRODUCT SYNONYMS

PKA C-beta (PRKACB); Polyclonal Antibody; PKA C-beta (PRKACB) Antibody (N-term); cAMP-dependent protein kinase catalytic subunit beta; PKA C-beta; PRKACB; anti-PRKACB antibody

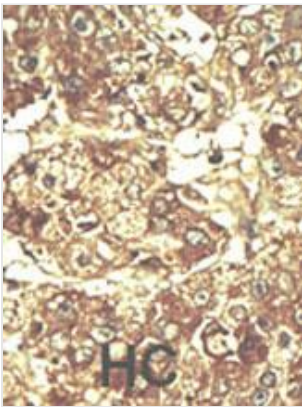
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKA C-beta (PRKACB) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human PKA C-beta (PRKACB).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	14-43
Sequence Length	358
Applicable Applications for anti-PRKACB antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

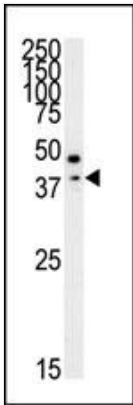
IMAGES



WB (Western Blot)
Western blot analysis of PRKACB (arrow) using rabbit polyclonal PRKACB Antibody (K29). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PRKACB gene.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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; HC = hepatocarcinoma.



WB (Western Blot)
The anti-PRKACB Pab is used in Western blot to detect PRKACB in THP-1 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKACB antibody	cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase (AMPK), which transduces the signal through phosphorylation of different target proteins. The inactive holoenzyme of AMPK 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 of AMPK have been identified in humans. PRKACB is a member of the Ser/Thr protein kinase family and is a catalytic subunit of AMPK.
Product Categories/Family for anti-PRKACB antibody	Cancer; Metabolism; Signal Transduction
References	Dwivedi, Y., et al., Biol. Psychiatry 55(3):234-243 (2004). Cartier, C., et al., J. Biol. Chem. 278(37):35211-35219 (2003). Higuchi, H., et al., EMBO J. 22(8):1790-1800 (2003). Wu, K.J., et al., Oncogene 21(51):7872-7882 (2002). Jiang, C.H., et al., Proc. Natl. Acad. Sci. U.S.A. 98(4):1930-1934 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	338827753
NCBI GeneID	5567

NCBI Accession #	NP_001229786.1; NP_001229787.1; NP_001229788.1; NP_001229789.1; NP_001229790.1; NP_001229791.1; NP_002722.1; NP_891993.1; NP_997461.1
NCBI GenBank Nucleotide #	NM_001242857.2
UniProt Accession #	P22694; Q14VH1; Q59GC0; Q5BNE9; Q5BNF0; Q5BNF1; Q5BNF2; Q5BNF3; Q5CZ92; B1APG4; B4DKB0; B4E2Q1
Molecular Weight	40623
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit beta isoform 4
NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, catalytic, beta
NCBI Official Symbol	PRKACB
NCBI Official Synonym Symbols	PKACB; PKA C-beta
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit beta
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit beta
UniProt Gene Name	PRKACB
UniProt Synonym Gene Names	PKA C-beta
UniProt Entry Name	KAPCB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pka-c-beta-prkacb-antibody-immunohistochemistry-western-blot-elisa/284109>