

Rabbit anti-Human, Mouse PRKACB Polyclonal Antibody | anti-PRKACB antibody

PRKACB Polyclonal Antibody

CATALOG # AAA279817	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PRKACB; Polyclonal Antibody; PRKACB Polyclonal Antibody; PKACB; anti-PRKACB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	351
Applicable Applications for anti-PRKACB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PRKACB
Calculated Molecular Weight	40kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PRKACB antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using PRKACB antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of SW480 cells, using PRKACB antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

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, 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. Several alternatively spliced transcript variants encoding distinct isoforms have been observed.
Product Categories/Family for anti-PRKACB antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	125210
NCBI GeneID	5567
UniProt Accession #	P22694; Q14VH1; Q59GC0; Q5BNE9; Q5BNF0; Q5BNF1; Q5BNF2; Q5BNF3; Q5CZ92; B1APG4; B4DKB0; B4E2Q1
Molecular Weight	351
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit beta
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; protein kinase A catalytic subunit beta; cAMP-dependent protein kinase catalytic beta subunit isoform 4ab
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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