

Rabbit PRKACA Polyclonal Antibody | anti-PRKACA antibody

PRKACA Antibody (N-term K82)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284688	Rabbit	Human (Predicted Reactivity: Bovine, Hamster, Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

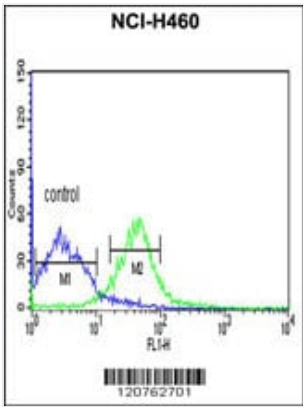
PRODUCT SYNONYMS

PRKACA; Polyclonal Antibody; PRKACA Antibody (N-term K82); cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; PKACA; anti-PRKACA antibody

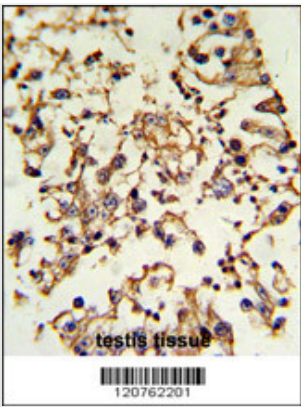
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Hamster, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRKACA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-94 amino acids from the N-terminal region of human PRKACA.
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	67-94
Sequence Length	351
Applicable Applications for anti-PRKACA antibody	FCM/FACS (Flow Cytometry), 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.

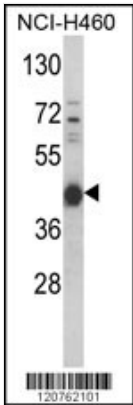
IMAGES



FCM/FACS (Flow Cytometry)
PRKACA Antibody (N-term K82) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with PRKACA Antibody (N-term K82), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PRKACA Antibody (N-term K82) in NCI-H460 cell line lysates (35ug/lane). PRKACA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKACA antibody	PRKACA phosphorylates a large number of substrates in the cytoplasm and the nucleus.
Product Categories/Family for anti-PRKACA antibody	Cancer; Metabolism; Signal Transduction
References	Sugiyama,H., et.al., J. Biol. Chem. 267 (35), 25256-25263 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506055
NCBI GeneID	5566
NCBI Accession #	NP_002721.1; NP_997401.1
NCBI GenBank Nucleotide #	NM_002730.3
UniProt Accession #	P17612; Q32P54; Q9H2Y0; Q9NRB4; Q9NRH9
Molecular Weight	40590
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha isoform Calpha1

NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, catalytic, alpha
NCBI Official Symbol	PRKACA
NCBI Official Synonym Symbols	PKACA; PPNAD4
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Gene Name	PRKACA
UniProt Synonym Gene Names	PKACA; PKA C-alpha
UniProt Entry Name	KAPCA_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/prkaca-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284688>