

Rabbit PKA Polyclonal Antibody | anti-PKA antibody

PKA CAT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA267895	Rabbit	Human,Mouse,Rat	Immunofluorescence, Immunohistochemistry, Western Blot

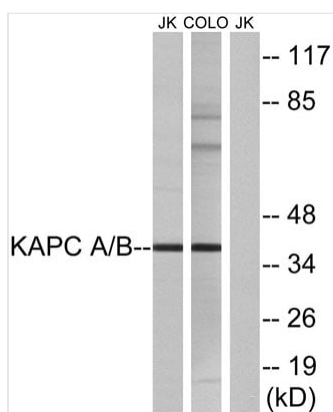
PRODUCT SYNONYMS

PKA; Polyclonal Antibody; PKA CAT Antibody; PRKACA; PKACA; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; PRKACB; cAMP-dependent protein kinase catalytic subunit beta; PKA C-beta; anti-PKA antibody

PRODUCT SPECIFICATIONS

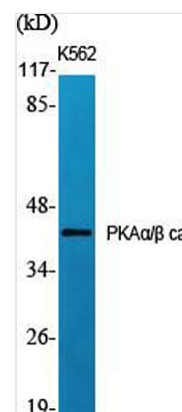
Host	Rabbit
Reactivity	Human,Mouse,Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PKA CAT Antibody detects endogenous levels of total PKA CAT
Purity/Purification	Immunogen affinity purified
Form/Format	Phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Positions	1-50
Applicable Applications for anti-PKA antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PKA CAT
Preparation and Storage	-20°C/1 year

IMAGES



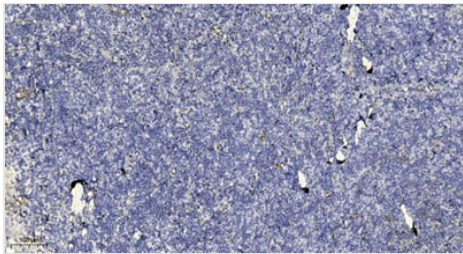
WB (Western Blot)

Western blot analysis of lysates from COLO and Jurkat cells, using KAPC A/B Antibody. The lane on the right is blocked with the synthesized peptide.



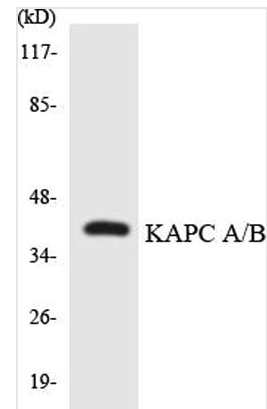
WB (Western Blot)

Western Blot analysis of various cells using PKAAlpha/Beta cat Polyclonal Antibody diluted at 1:1000.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil. 1. Antibody was diluted at 1:200 (4° overnight). 2. Tris-EDTA, pH9.0 was used for antigen retrieval. 3. Secondary antibody was diluted at 1:200 (room temperature, 30min).



WB (Western Blot)

Western blot analysis of the lysates from RAW264.7 cells using KAPC A/B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti- PKA antibody

Background: Phosphorylates a large number of substrates in the cytoplasm and the nucleus. Regulates the abundance of compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which binds and ubiquitinates these subunits, leading to their subsequent proteolysis. Phosphorylates CDC25B, ABL1, NFKB1, CLDN3, PSMC5/RPT6, PJA2, RYR2, RORA and VASP. RORA is activated by phosphorylation. Required for glucose-mediated adipogenic differentiation increase and osteogenic differentiation inhibition from osteoblasts.

NCBI AND UNIPROT INFORMATION

NCBI GI #	748585205
NCBI GeneID	5566
NCBI Accession #	NP_001291278.1
NCBI GenBank Nucleotide #	NM_001304349.1
UniProt Accession #	P17612; Q32P54; Q9H2Y0; Q9NRB4; Q9NRH9
Molecular Weight	36 kDa
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha isoform 3
NCBI Official Synonym Full Names	protein kinase cAMP-activated catalytic subunit 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

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-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/267895>