



Datasheet for ABIN390798
anti-PRKACA antibody (N-Term)



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3 Images

Overview

Quantity:	400 µL
Target:	PRKACA
Binding Specificity:	AA 67-94, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB20762
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha, M, Pig, Rat, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PRKACA
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Target Details

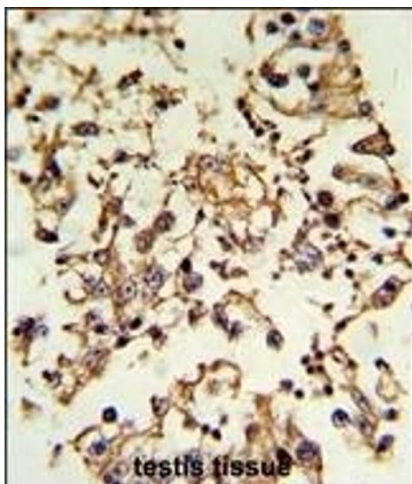
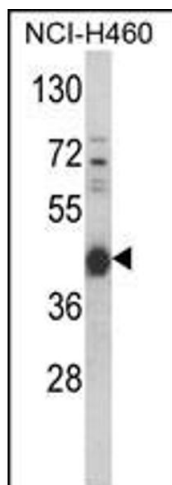
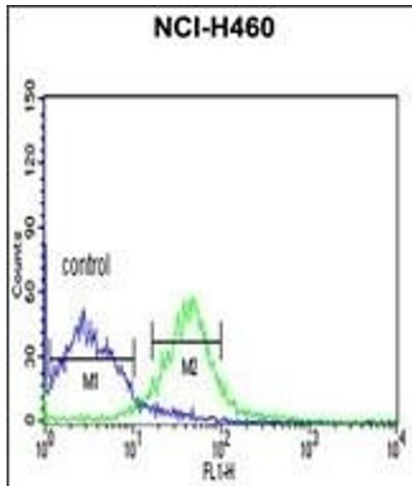
Alternative Name:	PRKACA (PRKACA Products)
Background:	PRKACA phosphorylates a large number of substrates in the cytoplasm and the nucleus.
Molecular Weight:	40590
Gene ID:	5566
NCBI Accession:	NP_002721 , NP_997401
UniProt:	P17612
Pathways:	NF-kappaB Signaling , Hedgehog Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Thyroid Hormone Synthesis , Carbohydrate Homeostasis , Myometrial Relaxation and Contraction , M Phase , G-protein mediated Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , Lipid Metabolism , SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. PRKACA Antibody (N-term K82) (ABIN390798 and ABIN2841043) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of PRKACA Antibody (N-term K82) (ABIN390798 and ABIN2841043) in NCI- cell line lysates (35 µg/lane). PRKACA (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. 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.