

Rabbit PRKCA Polyclonal Antibody | anti-PRKCA antibody

PRKCA Antibody (N-term)

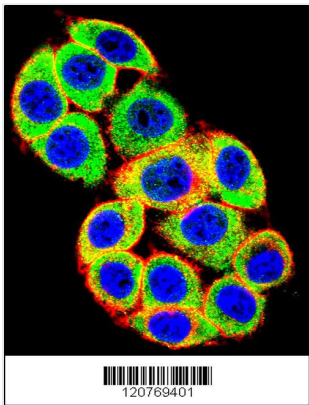
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289699	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

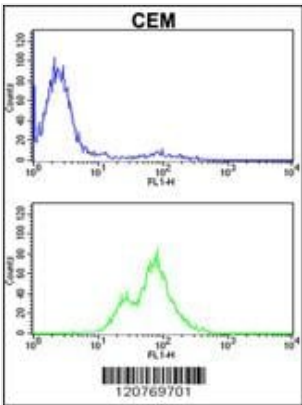
PRKCA; Polyclonal Antibody; PRKCA Antibody (N-term); Protein kinase C alpha type; PKC-A; PKC-alpha; PKCA; PRKACA; anti-PRKCA antibody

PRODUCT SPECIFICATIONS

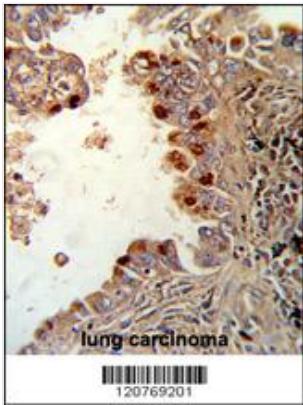
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRKCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-103 amino acids from the N-terminal region of human PRKCA.
Purity/Purification	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	75-103
Sequence Length	672
Applicable Applications for anti-PRKCA antibody	IF (Immunofluorescence), 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.



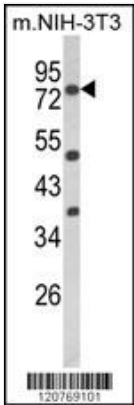
IF (Immunofluorescence)
Confocal immunofluorescent analysis of PRKCA Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)
PRKCA Antibody (N-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with PRKCA Antibody (N-term), 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 PRKCA Antibody (N-term) in mouse NIH-3T3 cell line lysates (35ug/lane). PRKCA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCA antibody	PRKCA is a calcium-activated, phospholipid-dependent, serine-and threonine-specific enzyme. It may play a role in cell motility by phosphorylating CSPG4. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.
Product Categories/Family for anti-PRKCA antibody	Cancer; Cardiovascular; Signal transduction
References	Gysin,S. and Imber,R. et.al., Eur. J. Biochem. 240 (3), 747-750 (1996) Rider,M.H., et.al., Biochem. J. 285 (PT 2), 405-411 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506067
NCBI GeneID	5578
NCBI Accession #	NP_002728.1
NCBI GenBank Nucleotide #	NM_002737.2
UniProt Accession #	P17252; Q15137; Q32M72; Q96RE4; B5BU22

Molecular Weight	76750
NCBI Official Full Name	protein kinase C alpha type
NCBI Official Synonym Full Names	protein kinase C, alpha
NCBI Official Symbol	PRKCA
NCBI Official Synonym Symbols	AAG6; PKCA; PRKACA; PKC-alpha
NCBI Protein Information	protein kinase C alpha type
UniProt Protein Name	Protein kinase C alpha type
UniProt Gene Name	PRKCA
UniProt Synonym Gene Names	PKCA; PRKACA; PKC-A; PKC-alpha
UniProt Entry Name	KPCA_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://www.aaabiotech.com/polyclonal/prkca-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/289699>