Rabbit PKA C alpha/beta/gamma Polyclonal Antibody | anti-PRKACA antibody

Anti-PKA C alpha/beta/gamma (pT198) Phospho Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA260637	**Rabbit**	**Human, Mouse, Rat, Bovine, Dog, Pig, Sheep**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

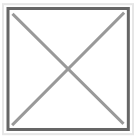
PRODUCT SYNONYMS

PKA C alpha/beta/gamma; Polyclonal Antibody; Anti-PKA C alpha/beta/gamma (pT198) Phospho Antibody; PRKACA; PKACA; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; PRKACB; cAMP-dependent protein kinase catalytic subunit beta; PKA C-beta; PRKACG; cAMP-dependent protein kinase catalytic subunit gamma; PKA C-gamma; anti-PRKACA antibody

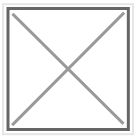
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Dog, Pig, Sheep
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of PKA C alpha/beta/gamma (pT198) protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Sequence Length	351
Applicable Applications for anti-PRKACA antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PKA C alpha/beta/gamma. The exact sequence is proprietary.
Preparation and Storage	Shipped and store at 4 degree C for one year. Do not freeze.

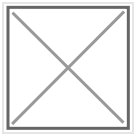
IMAGES



IF (Immunofluorescence)
Immunofluorescent analysis of PKA C alpha/beta/gamma (pT198) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohiostchemistry)
Immunohistochemical analysis of PKA C alpha/beta/gamma (pT198) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of PKA C alpha/beta/gamma (pT198) expression in HEK293T UV-treated (A), NIH3T3 UV-treated (B), H9C2 PMA-treated (C), PC12 H2O2-treated (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKACA antibody	Rabbit polyclonal antibody to PKA C alpha/beta/gamma (pT198)

NCBI AND UNIPROT INFORMATION

NCBI GI #	125205
NCBI GeneID	5566
UniProt Accession #	P17612; Q32P54; Q9H2Y0; Q9NRB4; Q9NRH9
Molecular Weight	39,822 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha
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
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/pka-c-alpha-beta-gamma-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/260637