

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

Rabbit anti-PKA C alpha/beta/gamma Antibody

| CATALOG # | HOST   | REACTIVITY                                 | APPLICATIONS                                           |
|-----------|--------|--------------------------------------------|--------------------------------------------------------|
| AAA223729 | Rabbit | Human, Mouse, Rat, Bovine, Dog, Pig, Sheep | Immunofluorescence, Immunohistochemistry, Western Blot |

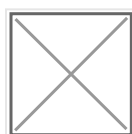
## PRODUCT SYNONYMS

PKA C alpha/beta/gamma; Polyclonal Antibody; Rabbit anti-PKA C alpha/beta/gamma 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-PKACalpha/beta/gamma antibody

## PRODUCT SPECIFICATIONS

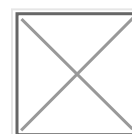
|                                                                |                                                                                                                                                       |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                           | Rabbit                                                                                                                                                |
| Reactivity                                                     | Human, Mouse, Rat, Bovine, Dog, Pig, Sheep                                                                                                            |
| Clonality                                                      | Polyclonal                                                                                                                                            |
| 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.                                             |
| Concentration                                                  | 1mg/mL (varies by lot)                                                                                                                                |
| Applicable Applications for anti-PKACalpha/beta/gamma antibody | 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                                        | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                             |

## IMAGES



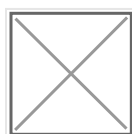
### IF (Immunofluorescence)

Immunofluorescent analysis of PKA C alpha/beta/gamma 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.



### IHC (Immunohistochemistry)

Immunohistochemical analysis of PKA C alpha/beta/gamma 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 expression in HEK293T (A), mouse liver (B), rat liver (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                                  |                    |
|------------------------------------------------------------------|--------------------|
| Product Categories/Family for anti-PKACalpha/beta/gamma antibody | Primary antibodies |
|------------------------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4506055                                                                                                                                                                  |
| NCBI GeneID                      | 5566                                                                                                                                                                     |
| NCBI Accession #                 | NP_002721.1                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_002730.3                                                                                                                                                              |
| UniProt Accession #              | P17612; P22694; P22612; P05132; P68181; P27791; P68182                                                                                                                   |
| Molecular Weight                 | 351                                                                                                                                                                      |
| NCBI Official Full Name          | cAMP-dependent protein kinase catalytic subunit alpha isoform 1                                                                                                          |
| NCBI Official Synonym Full Names | protein kinase, cAMP-dependent, catalytic, alpha                                                                                                                         |
| NCBI Official Symbol             | PRKACA                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | PKACA                                                                                                                                                                    |
| NCBI Protein Information         | cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; protein kinase A catalytic subunit; cAMP-dependent protein kinase catalytic subunit alpha, isoform 1 |
| UniProt Protein Name             | cAMP-dependent protein kinase catalytic subunit alpha                                                                                                                    |
| UniProt Gene Name                | <b>PRKACA</b>                                                                                                                                                            |
| 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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