

For Research Use Only

# Phospho-PKA C (Thr198) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87365-3-PBS



## Basic Information

Catalog Number:

87365-3-PBS

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002730

GeneID (NCBI):

5566

UNIPROT ID:

P17612

Full Name:

protein kinase, cAMP-dependent, catalytic, alpha

Calculated MW:

41 kDa

Observed MW:

38-43 kDa

Purification Method:

Protein A purification

CloneNo.:

252621G1

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

Protein kinase A (PKA) is a 3' -5' -cyclic adenosine monophosphate (cAMP)-dependent kinase that is at the center of diverse biological functions in numerous systems. Inactive PKA is composed of two catalytic (PKA-C) and two regulatory (PKA-R) subunits. The binding of cAMP to the PKA-R subunits activates the enzyme, causing the release of PKA-C. Humans have three genes encoding PKA-C: PRKACA, PRKACB, and PRKACG, and two types of PKA-R's: type PKA-RI (PKA-Ri  $\alpha$  and PKA-Ri  $\beta$ ) and type PKA-RII (PKA-RII  $\alpha$  and PKA-RII  $\beta$ ). (PMID: 36431013, PMID: 39592424) This antibody recognizes the phosphorylation at the Thr198 site of PKA-C (including PRKACA, PRKACB, and PRKACG). After removing methionine, the site is also called Thr197.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

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