

For Research Use Only

Phospho-PKA C (Thr198) Recombinant monoclonal antibody

Catalog Number: 87365-3-RR



Basic Information

Catalog Number:
87365-3-RR

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

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB: NIH/3T3 cells, HeLa cells

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 α and PKA-RI β) and type PKA-RII (PKA-RII α and PKA-RII β). (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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

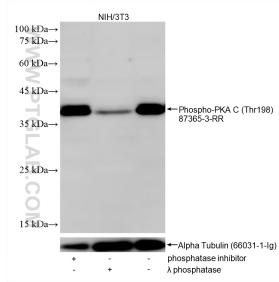
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Selected Validation Data



Non-treated NIH/3T3 cells, phosphatase inhibitor treated NIH/3T3 cells and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 87365-3-RR (Phospho-PKA C (Thr198) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.