For Research Use Only

Phospho-PKC Alpha (Ser657) Recombinant antibody, PBS Only

Catalog Number:83840-7-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83840-7-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
AK055431

GeneID (NCBI):
5578

UNIPROT ID:
P17252

Full Name:
protein kinase C, alpha

Calculated MW:
77 kDa

Observed MW:
77 kDa

Purification Method:
Protein A purification

CloneNo.:
250276F2

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

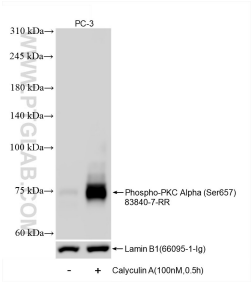
PKCs are a family of serine/threonine kinases involved in various processes in cells including proliferation, differentiation, cell survival, and apoptosis. PKC family is composed of three different subgroups: conventional (cPKC), the novel (nPKC) and atypical (aPKC). PKCα, β1, β2, and γ belong to cPKC, PKCδ, ε, η and θ are nPKC, whereas aPKC comprises of PKCζ and λ/ι. All PKCs consist of the N-terminal regulatory region and C-terminal catalytic region (kinase domain). PKCs are physiologically activated by various extracellular signals transduced by hormones, growth factors, cytokines or antigens. The presence of activated PKCs on internal membranes leads to the phosphorylation of various interacting proteins. (PMID: 32466765, PMID: 12417016)

Storage

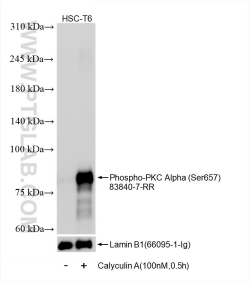
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Non-treated PC-3 cells and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 83840-7-RR (Phospho-PKC Alpha (Ser657) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 83840-7-PBS in a different storage buffer formulation.



Non-treated HSC-T6 cells and Calyculin A treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 83840-7-RR (Phospho-PKC Alpha (Ser657) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 83840-7-PBS in a different storage buffer formulation.