

For Research Use Only

CoraLite® Plus 647-conjugated PKC Alpha Polyclonal antibody



Catalog Number: CL647-21991

Featured Product

Basic Information

Catalog Number: CL647-21991	GenBank Accession Number: AK055431	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5578	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: protein kinase C, alpha	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Calculated MW: 77 kDa	
Immunogen Catalog Number: AG17275	Observed MW: 77 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

Background Information

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PRKCA is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

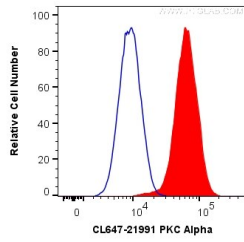
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

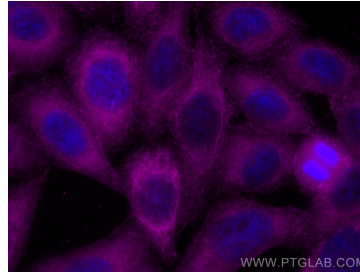
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human PKC Alpha (CL647-21991) (red), or 0.2 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 647 PKC Alpha antibody (CL647-21991) at dilution of 1:200.