

For Research Use Only

CoraLite® Plus 488-conjugated PKIA Polyclonal antibody



Catalog Number: **CL488-11743**

Basic Information

Catalog Number: CL488-11743	GenBank Accession Number: BC022265	Purification Method: Antigen Affinity Purified
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5569	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P61925	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: protein kinase (cAMP-dependent, catalytic) inhibitor alpha	
Immunogen Catalog Number: AG2338	Calculated MW: 76 aa, 8 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse, rat	

Background Information

cAMP-dependent protein kinase inhibitor alpha (PKIA) is also named as PRKACN1, and belongs to the PKI family. Among them, PKIA, a member of protein kinase A (PKA) inhibitor family, was found to be most significantly and highly expressed in susceptible animals (PMID:24910983). Decreased PKIA signaling would directly impact PKA activation, potentially inducing DRP1 phosphorylation and increasing ER Ca²⁺ stores (PMID:32152556). miR-129-5p activated PKA to regulate the phosphorylation of beta-catenin and cAMP-response element binding protein (CREB) by inhibiting PKIA (PMID:36222334).

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



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 PKIA antibody (CL488-11743) at dilution of 1:200.