

For Research Use Only

CoraLite® Plus 488-conjugated PKIA Polyclonal antibody



Catalog Number: **CL488-11743**

Basic Information

Catalog Number:

CL488-11743

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2338

GenBank Accession Number:

BC022265

GeneID (NCBI):

5569

UNIPROT ID:

P61925

Full Name:

protein kinase (cAMP-dependent, catalytic) inhibitor alpha

Calculated MW:

76 aa, 8 kDa

Purification Method:

Antigen Affinity Purified

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

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

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

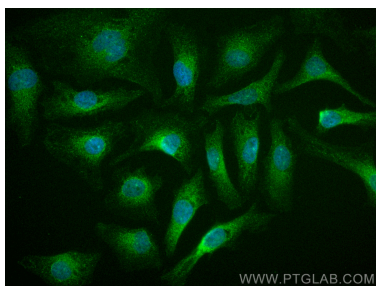
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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