For Research Use Only

CoraLite® Plus 488-conjugated PKIA Polyclonal antibody

Catalog Number: CL488-11743



Purification Method:

IF/ICC 1:50-1:500

wavelengths: 493 nm / 522 nm

Antigen Affinity Purified

Recommended Dilutions:

Excitation/Emission maxima

Basic Information

Catalog Number: GenBank Accession Number:

CL488-11743 BC022265 GeneID (NCBI):

100ul, Concentration: 1000 ug/ml by 5569 Nanodrop: **UNIPROT ID:**

P61925 Rabbit Full Name:

Isotype: protein kinase (cAMP-dependent, catalytic) inhibitor alpha IgG

Immunogen Catalog Number: Calculated MW: 76 aa, 8 kDa AG2338

Applications

Tested Applications:

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 a significant of the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family, was found to be most significantly and the protein kinase A (PKA) inhibitor family ahighly 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

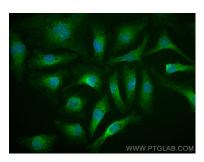
Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



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