

For Research Use Only

CoraLite® Plus 488-conjugated PRKAR2A Monoclonal antibody



Catalog Number:CL488-67751

Basic Information

Catalog Number:

CL488-67751

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29893

GenBank Accession Number:

BC002763

GeneID (NCBI):

5576

UNIPROT ID:

P13861

Full Name:

protein kinase, cAMP-dependent,
regulatory, type II, alpha

Calculated MW:

43 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

1B2B3

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human, rat, mouse

Positive Controls:

IF : HeLa cells,

Background Information

The effects of cAMP in most tissues and cell types are mainly modulated via protein kinase A, a heterotetrameric protein complex consisting of two regulatory and two catalytic subunits. The regulatory subunit of cAMP-dependent protein kinase (PRKAR2A) is one of the regulatory subunits and the gene is located on chromosome region 3p21.3-p21.2. The expression of PRKAR2A is tightly regulated during spermatogenesis, a significant increase in expression of this gene was also found in the human myometrium during pregnancy.

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:

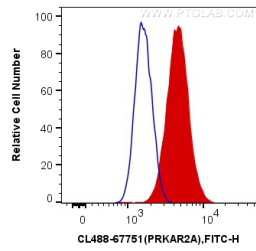
T: 4006900926

E: Proteintech-CN@ptglab.com

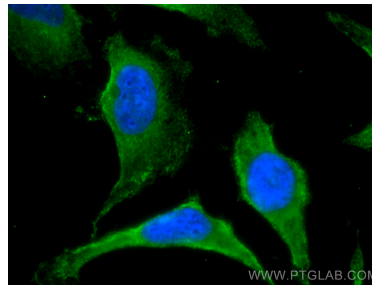
W: ptgcn.com

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Selected Validation Data



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PRKAR2A (CL488-67751, Clone:1B2B3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 PRKAR2A antibody (CL488-67751, Clone: 1B2B3) at dilution of 1:200.