

CoraLite® Plus 488-conjugated CPLX2 Polyclonal antibody

Catalog Number: **CL488-18149****Featured Product**

Basic Information

Catalog Number:

CL488-18149

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12838

GenBank Accession Number:

BC093706

GeneID (NCBI):

10814

UNIPROT ID:

Q6PUV4

Full Name:

complexin 2

Calculated MW:

134 aa, 15 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : A549 cells,

Background Information

Complexins are soluble proteins that regulate the activity of soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) complexes necessary for vesicle fusion. Neuronal specific complexin 1 (CPLX1) has inhibitory and stimulatory effects on exocytosis by clamping trans-SNARE complexes in a prefusion state and promoting conformational changes to facilitate membrane fusion following cell stimulation. Complexin2 (CPLX2) is a pre-synaptic protein believed to regulate neurotransmitter release from pre-synaptic terminals, it is downregulated in schizophrenic patients suffering from depression, animal models of depression and neurological disorders such as Huntington's disease in which depression is a major symptom.

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

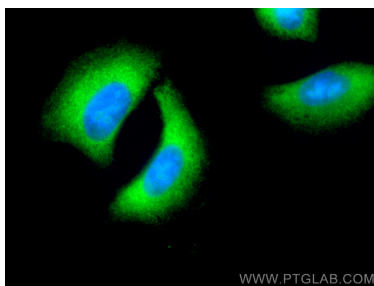
For technical support and original validation data for this product please contact:

T: 4006900926

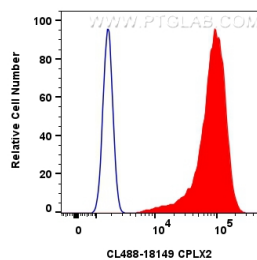
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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite® Plus 488 CPLX2 antibody (CL488-18149) at dilution of 1:200.



1x10⁶ A549 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488-conjugated CPLX2 Polyclonal antibody (CL488-18149)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).