

For Research Use Only

CoraLite® Plus 488-conjugated IPO5 Monoclonal antibody

Catalog Number: CL488-67962



Basic Information

Catalog Number:

CL488-67962

GenBank Accession Number:

BC001497

Purification Method:

Protein G purification

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

GeneID (NCBI):

3843

CloneNo.:

1E2B9

Source:

Mouse

UNIPROT ID:

O00410

Recommended Dilutions:

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension

Isotype:

IgG1

Full Name:

importin 5

FC: 0.40 ug per 10⁶ cells in a 100 µl
suspension

Immunogen Catalog Number:

AG30955

Observed MW:

124 kDa

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Positive Controls:

FC (Intra) : A431 cells,

Species Specificity:

Human, Mouse, Rat

FC : A431 cells,

Background Information

IPO5 is a member of the importin beta family. Structurally, the protein adopts the shape of a right-hand solenoid and is composed of 24 HEAT repeats. IPO5 facilitates cytoplasmic polyadenylation element-binding protein CPEB3 translocation by binding to the RRM1 motif of CPEB3 in neurons. NMDAR signaling increases RanBP1 expression and reduces the level of cytoplasmic GTP-bound Ran. These changes enhance CPEB3-IPO5 interaction, which consequently accelerates the nuclear import of CPEB3 and promotes its nuclear function.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

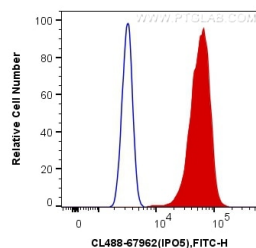
For technical support and original validation data for this product please contact:

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



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human IPO5 (CL488-67962, Clone:1E2B9) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).