

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	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: importin 5	
Immunogen Catalog Number: AG30955	Observed MW: 124 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat

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.

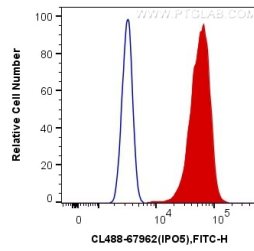
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

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).