

For Research Use Only

# CoraLite® Plus 488-conjugated IPO5 Monoclonal antibody



Catalog Number: CL488-67962

## Basic Information

<b>Catalog Number:</b> CL488-67962	<b>GenBank Accession Number:</b> BC001497	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3843	<b>CloneNo.:</b> 1E2B9
<b>Source:</b> Mouse	<b>Full Name:</b> importin 5	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG1	<b>Observed MW:</b> 124 kDa	
<b>Immunogen Catalog Number:</b> AG30955		

## 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.

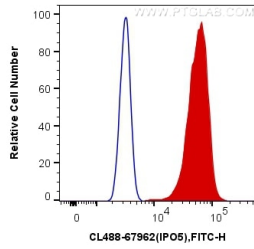
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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



1X10<sup>6</sup> 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).