

For Research Use Only

# IPO5 Polyclonal antibody

Catalog Number: 33581-1-AP



## Basic Information

Catalog Number:

33581-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30955

GenBank Accession Number:

BC001497

GeneID (NCBI):

3843

UNIPROT ID:

O00410

Full Name:

importin 5

Observed MW:

120-124 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: HeLa cells, mouse testis tissue, rat skeletal muscle tissue, rat testis tissue

IP: HeLa 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

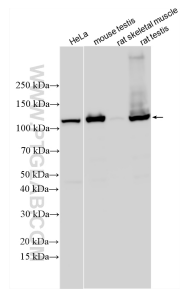
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

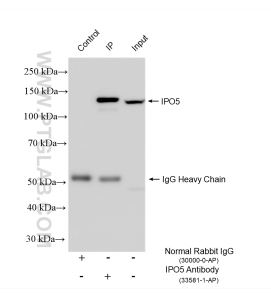
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33581-1-AP (IPOS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-IPOS (IP:33581-1-AP, 4ug; Detection:33581-1-AP 1:600) with HeLa cells lysate 920 ug.