

For Research Use Only

# INPP5E Monoclonal antibody

Catalog Number: 68602-1-Ig



## Basic Information

Catalog Number:

68602-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG11959

GenBank Accession Number:

BC028032

GeneID (NCBI):

56623

UNIPROT ID:

Q9NRR6

Full Name:

inositol polyphosphate-5-phosphatase, 72 kDa

Calculated MW:

644 aa, 70 kDa

Observed MW:

72 kDa

Purification Method:

Protein A purification

CloneNo.:

2B3D6

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : SH-SY5Y cells, HaCaT cells, HEK-293 cells, U-251 cells, HeLa cells

## Background Information

INPP5E(72 kDa inositol polyphosphate 5-phosphatase) converts phosphatidylinositol 3,4,5-trisphosphate (PtdIns 3,4,5-P3) to PtdIns-P2. In mouse, highest protein expression was in brain, heart, and testis, with lower expression in thymus and lung, and very little expression in kidney, spleen, and liver(PMID:10764818). Defects in INPP5E are the cause of Joubert syndrome type 1 (JBTS1) and mental retardation-truncal obesity-retinal dystrophy-micropenis (MORMS)(PMID:19668215).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

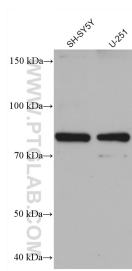
T: 4006900926

E: Proteintech-CN@ptglab.com

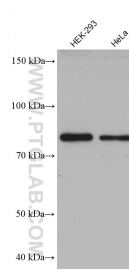
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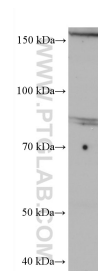
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68602-1-Ig (INPP5E antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68602-1-Ig (INPP5E antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



HaCaT cells were subjected to SDS PAGE followed by western blot with 68602-1-Ig (INPP5E antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.