

For Research Use Only

INPP4A Polyclonal antibody

Catalog Number: 12665-1-AP



Basic Information

Catalog Number:

12665-1-AP

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3346

GenBank Accession Number:

BC028361

GeneID (NCBI):

3631

UNIPROT ID:

Q96PE3

Full Name:

inositol polyphosphate-4-phosphatase, type I, 107kDa

Calculated MW:

972 aa, 109 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human intrahepatic cholangiocarcinoma tissue,

IF/ICC : A549 cells,

Background Information

Inositol polyphosphate 4 phosphatase (INPP4A) belongs to the group of phosphoinositide phosphatases controlling proliferation, apoptosis, and endosome function by hydrolyzing phosphatidylinositol 3,4-bisphosphate. INPP4A is highly expressed in the central nervous system, which is shown to play a key role in glutamate excitotoxicity and cell proliferation. (PMID: 36653678, PMID: 31938306)

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:

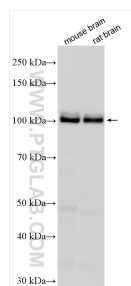
T: 4006900926

E: Proteintech-CN@ptglab.com

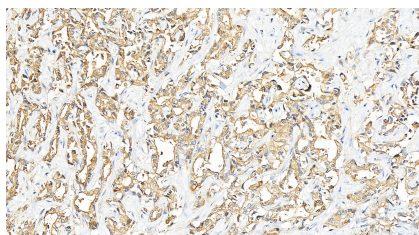
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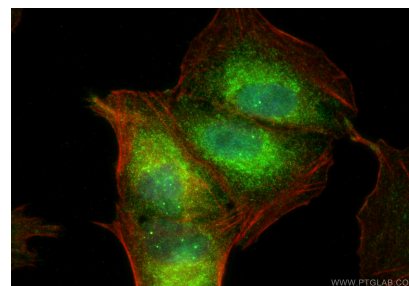
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12665-1-AP (INPP4A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 12665-1-AP (INPP4A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using INPP4A antibody (12665-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).