

For Research Use Only

CoraLite® Plus 488-conjugated INPP5E Recombinant monoclonal antibody

Catalog Number: CL488-82689-3



Basic Information

Catalog Number:

CL488-82689-3

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30305

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:

64-66 kDa

Purification Method:

Protein A purification

CloneNo.:

1E7

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : hTERT-RPE1 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). It has 2 isoforms with the molecular mass of 66 kDa and 70 kDa.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

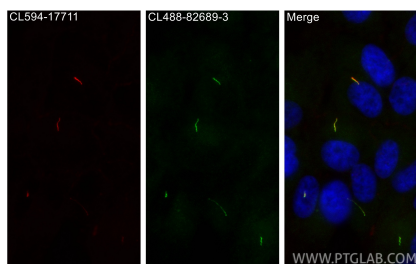
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CoraLite® Plus 488 INPP5E antibody (CL488-82689-3, Clone: 1E7) at dilution of 1:200, CoraLite® 594 ARL13B antibody (CL594-17711, red).