

For Research Use Only

PPIP5K1 Polyclonal antibody

Catalog Number: 14331-1-AP



Basic Information

Catalog Number:

14331-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5614

GenBank Accession Number:

BC050263

GeneID (NCBI):

9677

UNIPROT ID:

Q6PFW1

Full Name:

histidine acid phosphatase domain containing 2A

Calculated MW:

160 kDa

Observed MW:

160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse

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 heart tissue, mouse skeletal muscle tissue

IHC : mouse skeletal muscle tissue,

IF/ICC : U-251 cells,

Background Information

PPIP5K1 (Inositol diphosphoinositol pentakisphosphate kinase type 1) plays an important role in regulating cell death in response to genotoxic stress. PPIP5K1 act in concert with IP6K2 to promote cell death through controlling localization of stress-activated MAP kinase-interacting protein1 (SIN1) (PMID: 31051014). The activation of the PtdIns 3-kinase pathway is associated with PPIP5K1 translocation from the cytoplasm to the plasma membrane (PMID: 21222653).

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

*** 20ul sizes contain 0.1% BSA

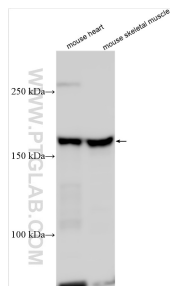
For technical support and original validation data for this product please contact:

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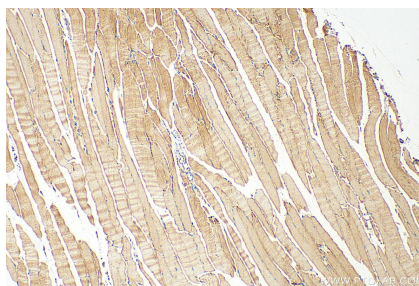
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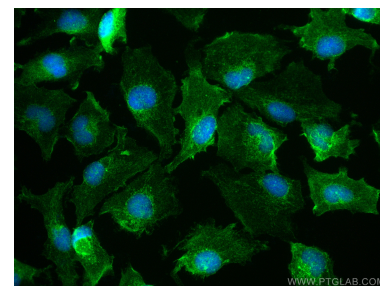
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14331-1-AP (PPIP5K1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 14331-1-AP (PPIP5K1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using PPIP5K1 antibody (14331-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).