

For Research Use Only

AP5Z1/SPG48 Monoclonal antibody

Catalog Number: 66533-1-Ig



Basic Information

Catalog Number:

66533-1-Ig

Size:

1300 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26961

GenBank Accession Number:

BC037399

GeneID (NCBI):

9907

UNIPROT ID:

O43299

Full Name:

KIAA0415

Calculated MW:

807 aa, 88 kDa

Observed MW:

88 kDa

Purification Method:

Protein G purification

CloneNo.:

1G1D7

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IHC, ELISA

Species Specificity:

Human, 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 : Jurkat cells, HL-60 cells, Caco-2 cells, COLO 320 cells, HSC-T6 cells

IHC : human liver cancer tissue,

IF/ICC : HEK-293 cells,

Background Information

AP5Z1, also known as SPG48 and KIAA0415, is a part of AP-5. Biallelic mutations in the AP5Z1 gene encoding the AP5Z1 subunit have been described in a small number of patients with hereditary spastic paraplegia (HSP). AP5Z1 physically interacts with other HSP proteins and that patient cells are sensitive to DNA damaging drugs.

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:

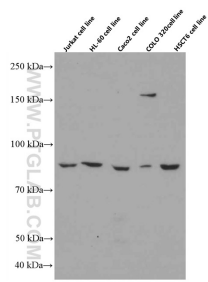
T: 4006900926

E: Proteintech-CN@ptglab.com

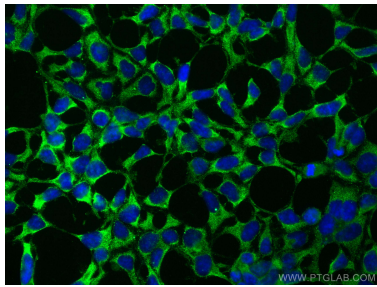
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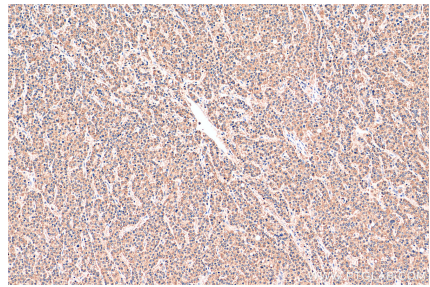
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66533-1-Ig (Zeta5 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using AP5Z1/SPG48 antibody (66533-1-Ig, Clone: 1G1D7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66533-1-Ig (AP5Z1/SPG48 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).