

For Research Use Only

# AP5Z1/SPG48 Monoclonal antibody, PBS Only



Catalog Number: 66533-1-PBS

## Basic Information

Catalog Number:

66533-1-PBS

Size:

1mg/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, 160 kDa

Purification Method:

Protein G purification

CloneNo.:

1G1D7

## Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

Human, rat

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

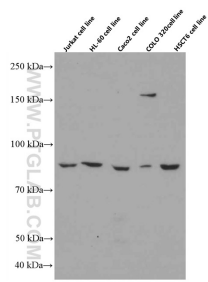
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

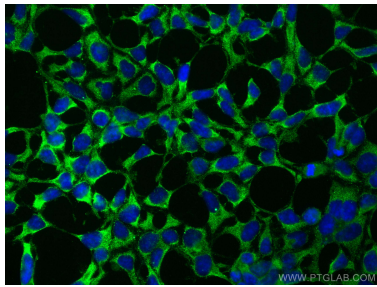
W: [ptgcn.com](http://ptgcn.com)

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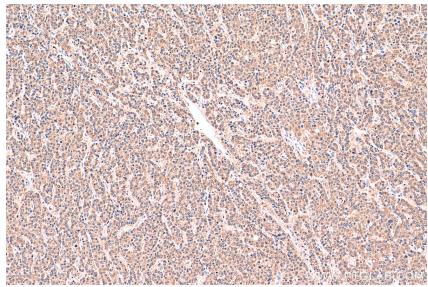
## Selected Validation Data



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. This data was developed using the same antibody clone with 66533-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66533-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66533-1-PBS in a different storage buffer formulation.