

For Research Use Only

# AP5Z1/SPG48 Monoclonal antibody, PBS Only



Catalog Number: 66533-1-PBS

## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>66533-1-PBS                      | <b>GenBank Accession Number:</b><br>BC037399 | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug , Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>9907                | <b>CloneNo.:</b><br>1G1D7                             |
| <b>Source:</b><br>Mouse                                    | <b>UNIPROT ID:</b><br>O43299                 |   |
| <b>Isotype:</b><br>IgG1                                    | <b>Full Name:</b><br>KIAA0415                |   |
| <b>Immunogen Catalog Number:</b><br>AG26961                | <b>Calculated MW:</b><br>807 aa, 88 kDa      |   |
|  | <b>Observed MW:</b><br>88 kDa, 160 kDa       |   |

## 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

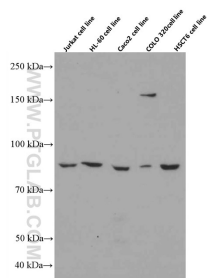
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

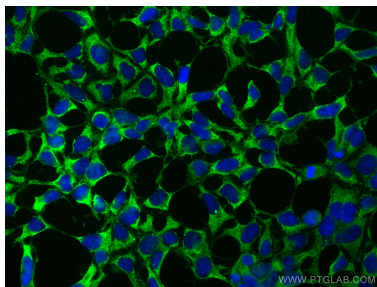
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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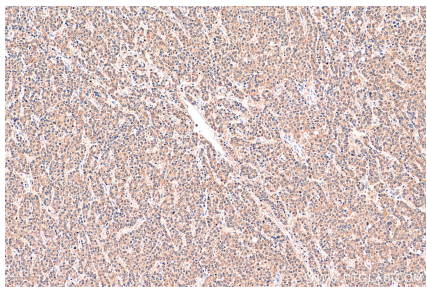
## Selected Validation Data



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. 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.