

For Research Use Only

# AP5Z1/SPG48 Monoclonal antibody, PBS Only



Catalog Number: 66533-1-PBS

## Basic Information

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

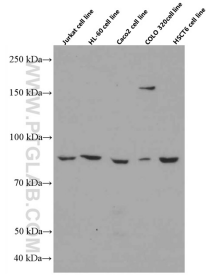
T: 4006900926

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

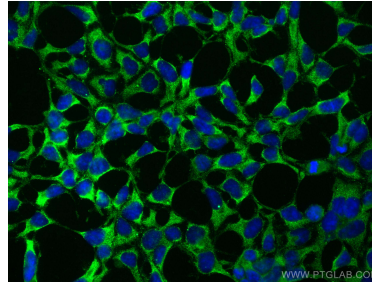
W: [ptgcn.com](http://ptgcn.com)

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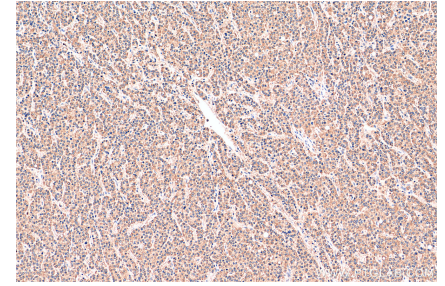
## Selected Validation Data



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.