

For Research Use Only

AP5Z1/SPG48 Monoclonal antibody

Catalog Number: 66533-1-Ig



Basic Information

Catalog Number: 66533-1-Ig	GenBank Accession Number: BC037399	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 700 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9907	CloneNo.: 1G1D7
Source: Mouse	UNIPROT ID: O43299	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: KIAA0415	
Immunogen Catalog Number: AG26961	Calculated MW: 807 aa, 88 kDa	
	Observed MW: 88 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, 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

*** 20ul sizes contain 0.1% BSA

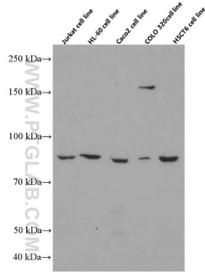
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

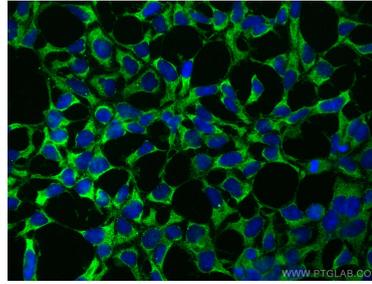
E: proteintech@ptglab.com
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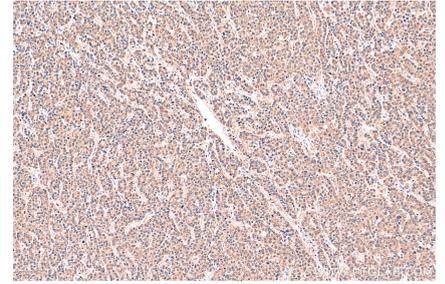
Selected Validation Data



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 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).