

For Research Use Only

VPS54 Monoclonal antibody

Catalog Number: 67404-1-Ig



Basic Information

Catalog Number: 67404-1-Ig	GenBank Accession Number: BC030275	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51542	CloneNo.: 3D12D1
Source: Mouse	Full Name: vacuolar protein sorting 54 homolog (S. cerevisiae)	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:800
Isotype: IgG1	Calculated MW: 977 aa, 111 kDa	
Immunogen Catalog Number: AG4123	Observed MW: 100-110 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, Pig, Mouse, Rat	WB : SH-SY5Y cells, pig brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver cancer tissue,

Background Information

VPS54 is a part of the Golgi-associated retrograde protein (GARP) complex protein required for tethering and fusion of endosome-derived transport vesicles to the trans-Golgi network. It may participate in retrograde transport from early and late endosomes to the late Golgi. The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD.

Storage

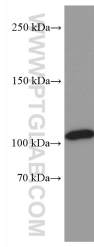
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

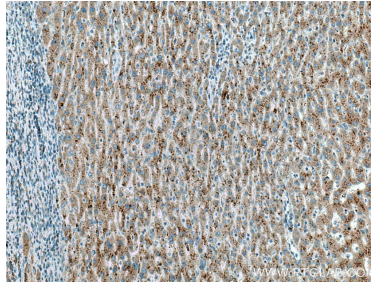
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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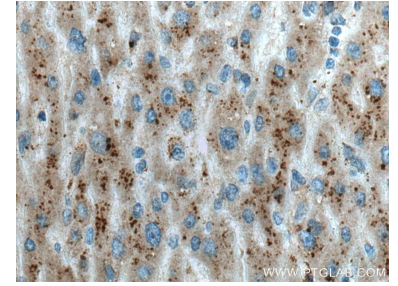
Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 67404-1-Ig (VPS54 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67404-1-Ig (VPS54 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67404-1-Ig (VPS54 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).