

VPS53 Monoclonal antibody

Catalog Number: 67610-1-Ig

Basic Information

Catalog Number: 67610-1-Ig	GenBank Accession Number: BC029560	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55275	CloneNo.: 2B12C3
Source: Mouse	UNIPROT ID: Q5VIR6	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:300-1:1200 IF/ICC 1:150-1:600
Isotype: IgG1	Full Name: vacuolar protein sorting 53 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG29875	Calculated MW: 832 aa, 94 kDa	
	Observed MW: 94 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
Human, Mouse, 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 : U2OS cells, HeLa cells, NIH/3T3 cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, LNCaP cells, 4T1 cells

IHC : human liver tissue, rat brain tissue

IF/ICC : HEK-293 cells,

Background Information

VPS53 is a component of the Golgi-associated retrograde protein (GARP) complex, also called VFT (VPS fifty-three) complex, composed of VPS51, VPS52, VPS53 and VPS54. GARP complex functions in traffic from endosomes to the trans-Golgi network (PMID: 15878329). GARP proteins interact with RAB proteins and SNARE proteins.

Storage

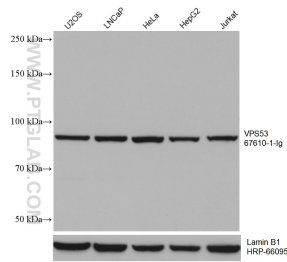
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

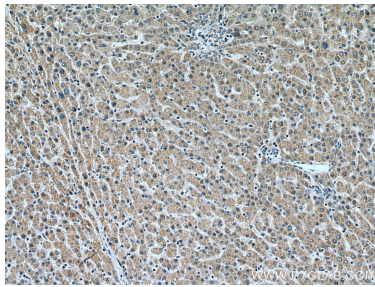
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

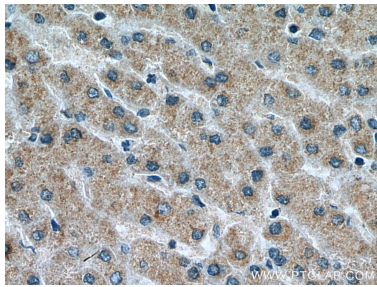
Selected Validation Data



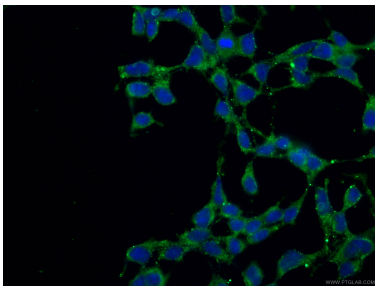
Various lysates were subjected to SDS PAGE followed by western blot with 67610-1-Ig (VP53 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67610-1-Ig (VP53 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67610-1-Ig (VP53 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 67610-1-Ig (VP53 antibody), at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).