

For Research Use Only

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 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55275	CloneNo.: 2B12C3
Source: Mouse	Full Name: vacuolar protein sorting 53 homolog (S. cerevisiae)	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:300-1:1200 IF 1:150-1:600
Isotype: IgG1	Calculated MW: 832 aa, 94 kDa	
Immunogen Catalog Number: AG29875	Observed MW: 94 kDa	

Applications

Tested Applications:

IF, IHC, WB, 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 : 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

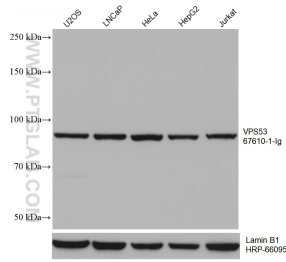
For technical support and original validation data for this product please contact:

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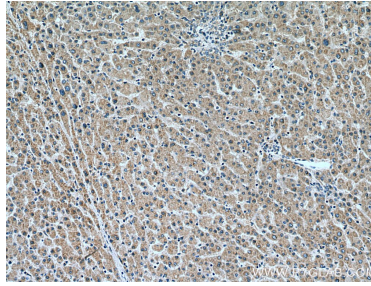
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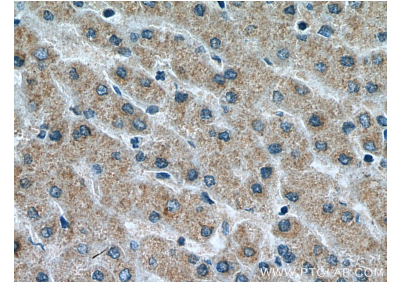
Selected Validation Data



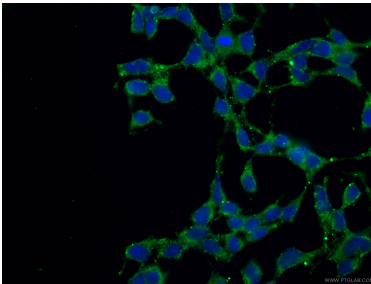
Various lysates were subjected to SDS PAGE followed by western blot with 67610-1-Ig (VPS53 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67610-1-Ig (VPS53 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 (VPS53 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 (VPS53 antibody), at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).