

For Research Use Only

VPS54 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 67404-1-PBS



Basic Information

Catalog Number:	67404-1-PBS	GenBank Accession Number:	BC030275	Purification Method:	Protein G purification
Size:	1mg/ml	GeneID (NCBI):	51542	CloneNo.:	3D12D1
Source:	Mouse	UNIPROT ID:	Q9P1Q0		
Isotype:	IgG1	Full Name:	vacuolar protein sorting 54 homolog (S. cerevisiae)		
Immunogen Catalog Number:	AG4123	Calculated MW:	977 aa, 111 kDa		
		Observed MW:	100-110 kDa		

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

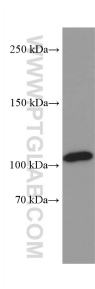
T: 4006900926

E: Proteintech-CN@ptglab.com

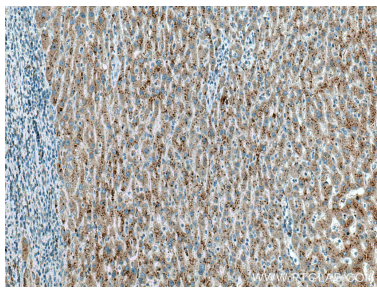
W: ptgcn.com

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

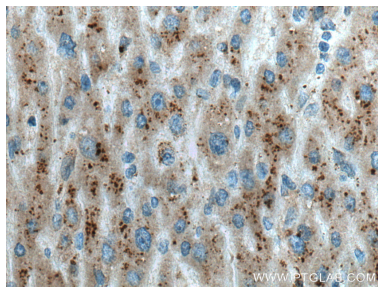
Selected Validation Data



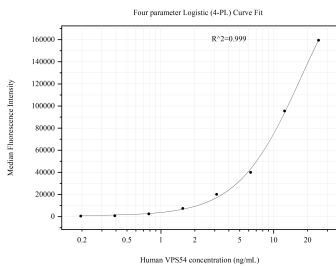
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 67404-1-Ig (VPS54 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67404-1-PBS in a different storage buffer formulation.



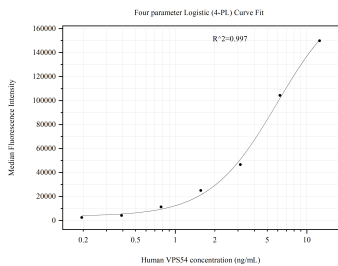
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67404-1-Ig (VPS54 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67404-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67404-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP51221-2, VPS54 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67404-2-PBS. Detection antibody: 67404-1-PBS. Standard:Ag4123. Range: 0.195-25 ng/mL



Cytometric bead array standard curve of MP51221-3, VPS54 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67404-3-PBS. Detection antibody: 67404-1-PBS. Standard:Ag4123. Range: 0.195-12.5 ng/mL