

For Research Use Only

VPS4B Monoclonal antibody

Catalog Number: 68443-1-Ig



Basic Information

Catalog Number: 68443-1-Ig	GenBank Accession Number: BC039574	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9525	CloneNo.: 2H3G7
Source: Mouse	UNIPROT ID: O75351	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: vacuolar protein sorting 4 homolog B (S. cerevisiae)	
Immunogen Catalog Number: AG11610	Calculated MW: 444 aa, 49 kDa	
	Observed MW: ~50 kDa	

Applications

Tested Applications: WB, IF/ICC, IP, ELISA	Positive Controls:
Species Specificity: Human, mouse , rat	WB : LNCaP cells, NIH/3T3 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells
	IP : HeLa cells,
	IF/ICC : HeLa cells,

Background Information

VPS4 (Vacuolar protein sorting-associated protein 4) is involved in intracellular protein trafficking, presumably at a late endosomal protein transport step. VPS4B is a ubiquitously expressed type I AAA+ (ATPases Associated with diverse cellular Activities) ATPase. It cooperates with its highly homologous paralog VPS4A (encoded by the VPS4A gene) to disassemble and release the Endosomal Sorting Complex Required for Transport (ESCRT) machinery. 68443-1-Ig specifically recognizes VPS4B. (PMID:31930723)

Storage

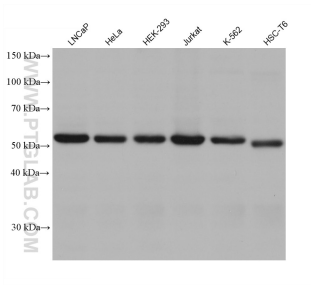
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

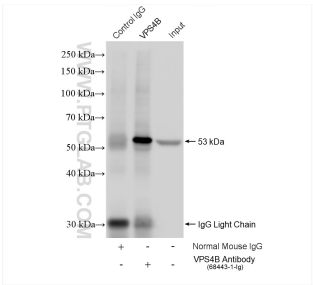
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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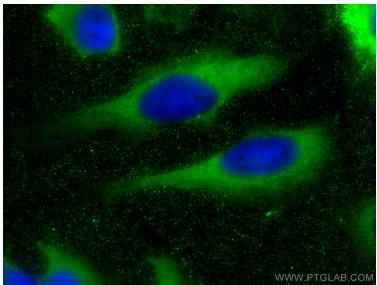
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68443-1-Ig (VPS4B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-VPS4B (IP:68443-1-Ig, 4ug; Detection:68443-1-Ig 1:4000) with HeLa cells lysate 1560 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using VPS4B antibody (68443-1-Ig, Clone: 2H3G7) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).