

For Research Use Only

VPS33B Polyclonal antibody

Catalog Number: 28653-1-AP



Basic Information

Catalog Number: 28653-1-AP	GenBank Accession Number: BC016445	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 26276	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: vacuolar protein sorting 33 homolog B (yeast)	
Isotype: IgG	Calculated MW: 617 aa, 71 kDa	
Immunogen Catalog Number: AG29886	Observed MW: 65 kDa	

Applications

Tested Applications:

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: HepG2 cells, L02 cells, mouse testis tissue, rat testis tissue

IHC: mouse kidney tissue, mouse brain tissue

Background Information

VPS33B, a homolog of yeast class C vacuolar protein sorting (vps) protein Vps33p, belongs to the STXBP/unc-18/SEC1 family. It may play a role in vesicle-mediated protein trafficking to lysosomal compartments and in membrane docking/fusion reactions of late endosomes/lysosomes. VPS33B mediates phagolysosomal fusion in macrophages (PMID: 18474358). Defects in VPS33B account for most cases of arthrogyrosis-renal dysfunction-cholestasis (ARC) syndrome, which is a multisystem disorder associated with abnormalities in polarized liver and kidney cells (PMID: 20190753).

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**

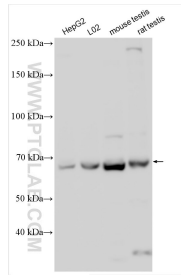
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

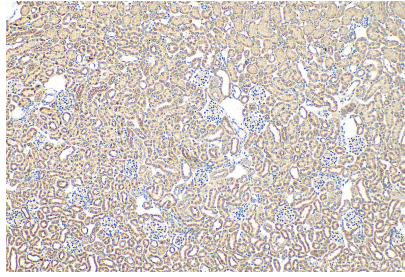
E: proteintech@ptglab.com
W: ptglab.com

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

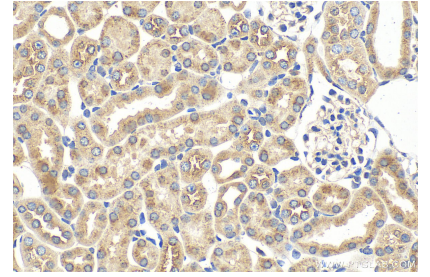
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28653-1-AP (VPS33B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 28653-1-AP (VPS33B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 28653-1-AP (VPS33B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).