

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: 700 µg/ml	GeneID (NCBI): 26276	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H267	
Isotype: IgG	Full Name: vacuolar protein sorting 33 homolog B (yeast)	
Immunogen Catalog Number: AG29886	Calculated MW: 617 aa, 71 kDa	
	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 arthrogryposis-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

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

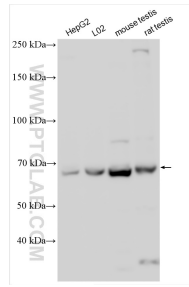
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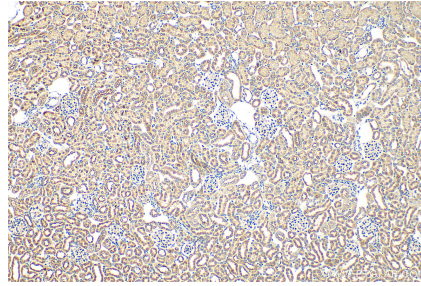
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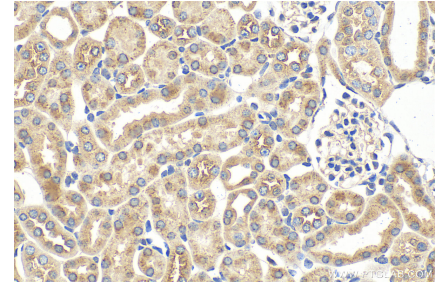
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).