

For Research Use Only

# VPS33B Polyclonal antibody

Catalog Number: 28653-1-AP



## Basic Information

<b>Catalog Number:</b> 28653-1-AP	<b>GenBank Accession Number:</b> BC016445	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26276	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H267	
<b>Isotype:</b> IgG	<b>Full Name:</b> vacuolar protein sorting 33 homolog B (yeast)	
<b>Immunogen Catalog Number:</b> AG29886	<b>Calculated MW:</b> 617 aa, 71 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> HepG2 cells, L02 cells, mouse testis tissue, rat testis tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> 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

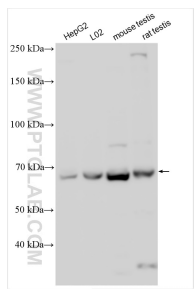
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

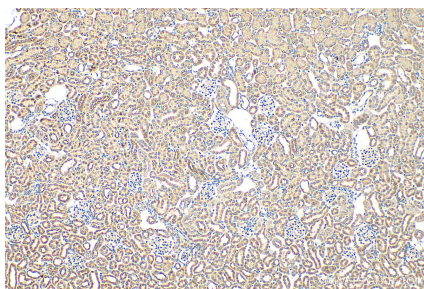
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

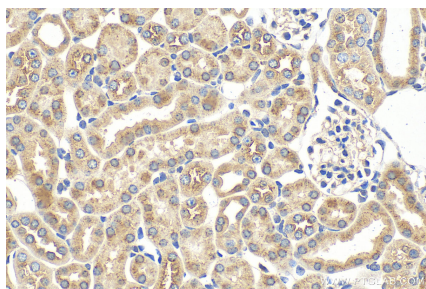
## Selected Validation Data



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).