

# VPS33B Polyclonal antibody

Catalog Number: 28653-1-AP

## Basic Information

**Catalog Number:**

28653-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG29886

**GenBank Accession Number:**

BC016445

**GeneID (NCBI):**

26276

**UNIPROT ID:**

Q9H267

**Full Name:**

vacuolar protein sorting 33 homolog B (yeast)

**Calculated MW:**

617 aa, 71 kDa

**Observed MW:**

65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

## 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:

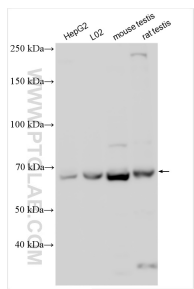
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E: Proteintech-CN@ptglab.com

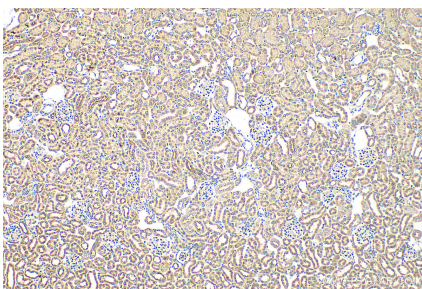
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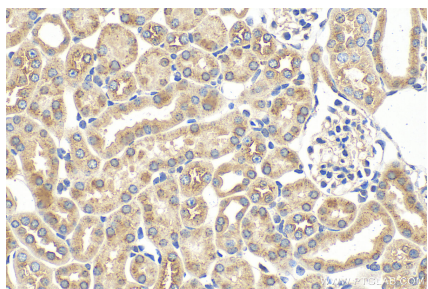
## Selected Validation Data



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).