

For Research Use Only

# VPS28 Recombinant antibody

Catalog Number: 84472-4-RR



## Basic Information

Catalog Number:

84472-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7784

GenBank Accession Number:

BC006485

GeneID (NCBI):

51160

UNIPROT ID:

Q9UK41

Full Name:

vacuolar protein sorting 28 homolog  
(S. cerevisiae)

Calculated MW:

25 kDa

Observed MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

241886D3

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A549 cells, Jurkat cells, THP-1 cells, U-251 cells

IF/ICC : A549 cells,

## Background Information

VPS28 is a subunit of the ESCRT-I complex (endosomal sorting complex I required for transport), which functions in the transport and sorting of proteins into subcellular vesicles. The ESCRT-I complex is composed of VPS23 (also known as TSG101), VPS28, VPS37, and MVB12A or MVB12B. VPS28 interacts with VPS23. Two alternative transcripts encoding different VPS28 isoforms have been described.

## 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:

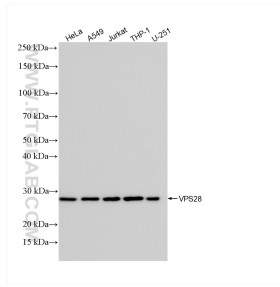
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

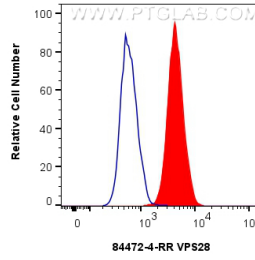
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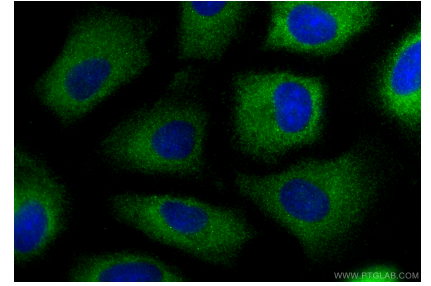
## Selected Validation Data



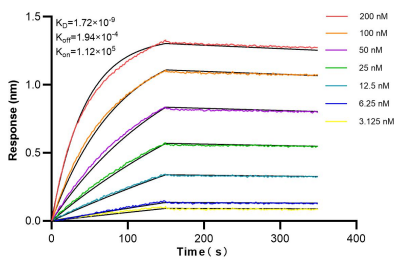
Various lysates were subjected to SDS PAGE followed by western blot with 84472-4-RR (VPS28 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.25 ug VPS28 Recombinant antibody (84472-4-RR, Clone:241886D3) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using VPS28 antibody (84472-4-RR, Clone: 241886D3) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bi-layer interferometry (BLI) kinetic assays of 84472-4-RR against Human VPS28 were performed. The affinity constant is 1.72 nM.