

For Research Use Only

# VPS54 Polyclonal antibody

Catalog Number: 13327-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

13327-1-AP

**Size:**

850 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4123

**GenBank Accession Number:**

BC030275

**GeneID (NCBI):**

51542

**UNIPROT ID:**

Q9P1Q0

**Full Name:**

vacuolar protein sorting 54 homolog  
(S. cerevisiae)

**Calculated MW:**

977 aa, 111 kDa

**Observed MW:**

111 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB : human brain tissue, mouse brain tissue

IP : mouse brain tissue,

## Background Information

VPS54 is a part of the Golgi-associated retrograde protein (GARP) complex protein required for tethering and fusion of endosome-derived transport vesicles to the trans-Golgi network. It may participate in retrograde transport from early and late endosomes to the late Golgi. The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD.

## Notable Publications

Author	Pubmed ID	Journal	Application
Colombrita Claudia C	22427648	J Biol Chem	WB
Stefano Marastoni	36875717	Cancer Res Commun	WB
Jian Wei	28658628	Cell Rep	WB

## 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:

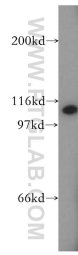
T: 4006900926

E: Proteintech-CN@ptglab.com

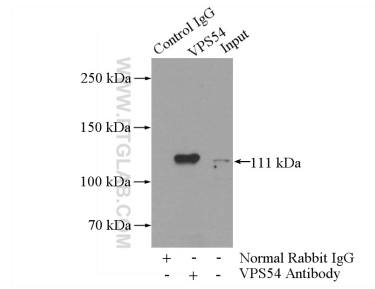
W: ptgcn.com

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

## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 13327-1-AP (VP54 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-VPS54 (IP:13327-1-AP, 4ug; Detection:13327-1-AP 1:300) with mouse brain tissue lysate 4000ug.