

For Research Use Only

VPS54 Polyclonal antibody

Catalog Number: 13327-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

13327-1-AP

Size:

133 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:

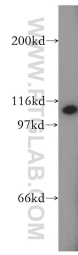
T: 4006900926

E: Proteintech-CN@ptglab.com

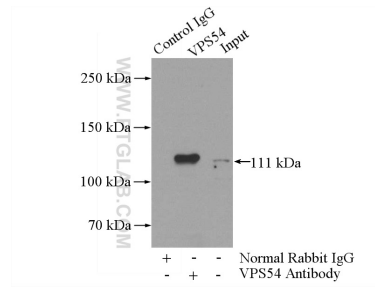
W: ptgcn.com

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.