

For Research Use Only

# VPS54 Polyclonal antibody

Catalog Number: 13327-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13327-1-AP	<b>GenBank Accession Number:</b> BC030275	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51542	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> vacuolar protein sorting 54 homolog (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 977 aa, 111 kDa	
<b>Immunogen Catalog Number:</b> AG4123	<b>Observed MW:</b> 111 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue, mouse brain tissue IP : mouse brain tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## 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
Jian Wei	28658628	Cell Rep	WB

## Storage

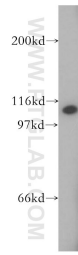
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

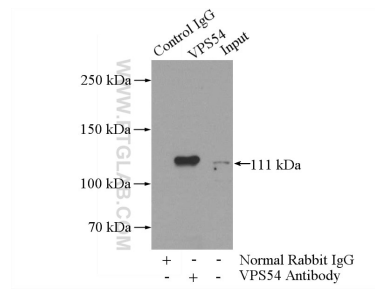
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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.