

For Research Use Only

# VPS39 Polyclonal antibody

Catalog Number: 16219-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

16219-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9267

### GenBank Accession Number:

BC015817

### GeneID (NCBI):

23339

### UNIPROT ID:

Q96JC1

### Full Name:

vacuolar protein sorting 39 homolog (S. cerevisiae)

### Calculated MW:

886 aa, 102 kDa

### Observed MW:

102 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate  
IHC 1:50-1:500

## Applications

### Tested Applications:

IP, IHC, ELISA

### Cited Applications:

IP, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**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:

IP: mouse brain tissue,

IHC: human heart tissue, human small intestine tissue, mouse heart tissue

## Background Information

VPS39, also named as KIAA0770, TLP, or VAM6, is a 886 amino acid protein, which contains one CNH domain and one CHCR repeat. VPS39 belongs to the VAM6/VPS39 family and localizes in the cytoplasm. VPS39 is widely expressed, with highest levels in heart, skeletal muscle, kidney, pancreas, brain, placenta and spleen. VPS39 may play a role in clustering and fusion of late endosomes and lysosomes. VPS39 modulates the transforming growth factor-beta response by coupling the transforming growth factor-beta receptor complex to the Smad pathway.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shen Zhang	37821429	Nat Commun	
Ariane Schleinitz	36640308	Cell Rep	IF
Wang Zheng	35913916	Autophagy	

## 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

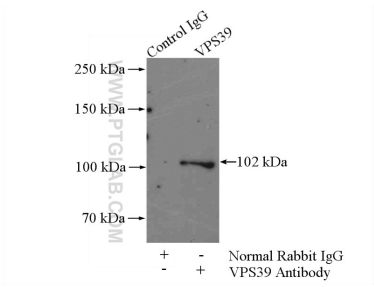
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

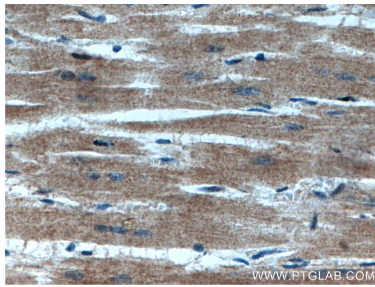
Selected Validation Data



IP result of anti-VPS39 (IP:16219-1-AP, 4ug; Detection:16219-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16219-1-AP (VPS39 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16219-1-AP (VPS39 antibody) at dilution of 1:100 (under 40x lens).