

VPS39 Polyclonal antibody

Catalog Number: 16219-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number:

16219-1-AP

Size:

300 µg/ml

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 µg 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

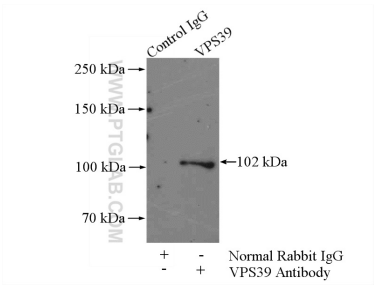
For technical support and original validation data for this product please contact:

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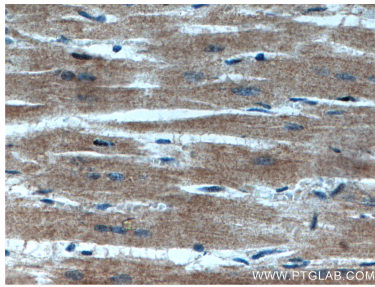
Selected Validation Data



IP result of anti-VP539 (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 (VP539 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16219-1-AP (VP539 antibody) at dilution of 1:100 (under 40x lens).