

For Research Use Only

# VPS39 Polyclonal antibody

Catalog Number: 16219-1-AP

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 16219-1-AP	<b>GenBank Accession Number:</b> BC015817	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23339	<b>Recommended Dilutions:</b> 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 39 homolog (S. cerevisiae)	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 886 aa, 102 kDa	
<b>Immunogen Catalog Number:</b> AG9267	<b>Observed MW:</b> 102 kDa	

## Applications

**Tested Applications:**  
IHC, IP, ELISA

**Cited Applications:**  
IF, IP, WB

**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
Di Chen	34706264	Dev Cell	IF, WB
Anna Ulbricht	23434281	Curr Biol	WB
Philipp Walch	34237247	Cell Host Microbe	IP

## 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

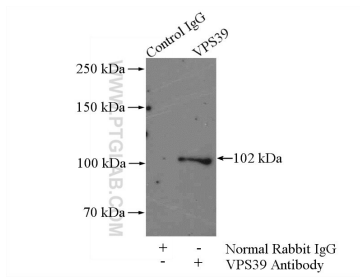
For technical support and original validation data for this product please contact:

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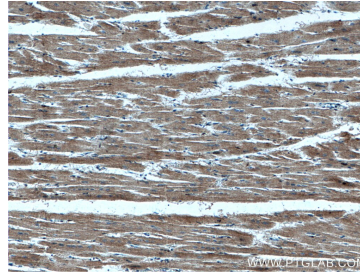
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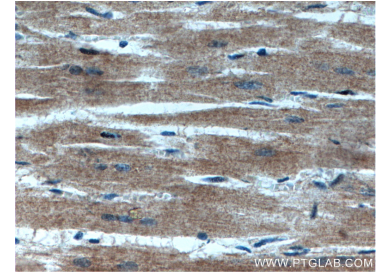
## Selected Validation Data



IP Result of anti-VPS39 (IP:16219-1-AP, 4 $\mu$ g; Detection:16219-1-AP 1:300) with mouse brain tissue lysate 4000 $\mu$ g.



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).