

For Research Use Only

# VPS25 Polyclonal antibody

Catalog Number: 15669-1-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

15669-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8134

**GenBank Accession Number:**

BC006282

**GeneID (NCBI):**

84313

**UNIPROT ID:**

Q9BRG1

**Full Name:**

vacuolar protein sorting 25 homolog  
(S. cerevisiae)

**Calculated MW:**

176 aa, 21 kDa

**Observed MW:**

21 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IHC, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, pig, canine

**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:**

**WB:** HepG2 cells, HeLa cells, human brain tissue, mouse liver tissue, A549 cells, rat liver tissue, mouse brain tissue

**IHC:** human breast cancer tissue, mouse brain tissue, mouse liver tissue

**IF/ICC:** HepG2 cells,

## Background Information

VPS25 is a component of the endosome-associated complex ESCRT-II (Endosomal Sorting Complexes Required for Transport protein II). ESCRT-II complex, composed of VPS25, VPS36, and SNF8, functions in sorting of ubiquitinated membrane proteins during endocytosis. ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. VPS25 is highly conserved. Human VPS25 gene maps to chromosome 17q21.31 and is expressed in a wide range of tissues (PMID: 16889659).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yoshinori Takahashi	31519728	J Cell Biol	WB
Zhihui Ruan	36274707	Front Microbiol	WB,IF
Eva P Karasmanis	31204162	Curr Biol	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:

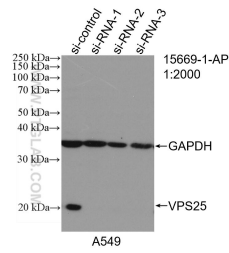
T: 4006900926

E: Proteintech-CN@ptglab.com

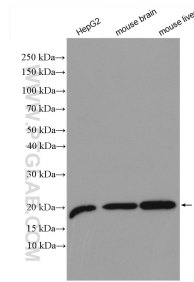
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

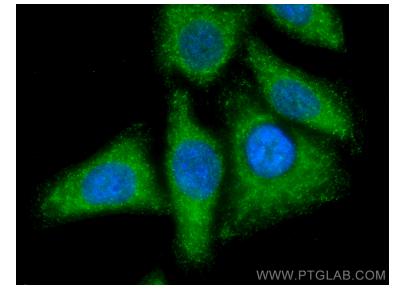
## Selected Validation Data



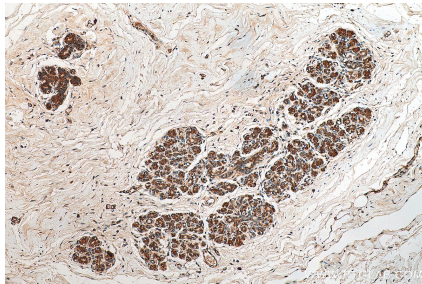
WB result of VPS25 antibody (15669-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS25 transfected A549 cells.



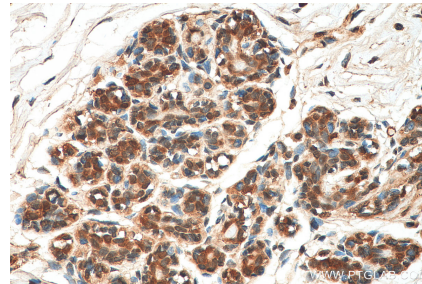
Various lysates were subjected to SDS PAGE followed by western blot with 15669-1-AP (VPS25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using VPS25 antibody (15669-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15669-1-AP (VPS25 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15669-1-AP (VPS25 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).