**VPS18 Polyclonal ANTIBODY**

**Catalog Number:** 10901-1-AP  
2 Publications

### Basic Information

- **Catalog Number:** 10901-1-AP
- **Size:** 34 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG1140
- **GenBank Accession Number:** BC001513
- **GeneID (NCBI):** 57617
- **Full Name:** vacuolar protein sorting 18 homolog (S. cerevisiae)
- **Calculated MW:** 110 kDa
- **Observed MW:** 110 kDa

### Applications

- **Tested Applications:** FC, IF, IHC, IP, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human

**Note:** suggested antigen retrieval with TE buffer pH 9.5; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

### Background Information

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Vps18 is a central member of Vps-C complex. Vps18 may play a role in vesicle-mediated protein trafficking to lysosomal compartments and in membrane docking/fusion reactions of late endosomes/lysosomes.

### Notable Publications

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<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
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<tbody>
<tr>
<td>Anna Ulbricht</td>
<td>23434281</td>
<td>Curr Biol</td>
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<td>Changyi Ji</td>
<td>30744518</td>
<td>Autophagy</td>
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### Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3
- **Aliquoting is unnecessary for -20°C storage**

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

- T: (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 405-8468 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

**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-VPS18 (IP: 10901-1-AP, 4 ug; Detection: 10901-1-AP 1:300) with HeLa cells lysate 920 ug.**

**Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 10901-1-AP (VPS18 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).**

**Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 10901-1-AP (VPS18 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).**

**Immunofluorescent analysis of A549 cells using 10901-1-AP (VPS18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).**

**K562 cells were stained with 0.2 ug VPS18 antibody (10901-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.**