VPS18
Polyclonal ANTIBODY

Catalog Number: 10901-1-AP 3 Publications

Basic Information

- **Catalog Number**: 10901-1-AP
- **Size**: 150UL, Concentration: 227 μg/ml by Bradford method using BSA as the standard
- **Source**: Rabbit
- **GenBank Accession Number**: BC001513
- **GeneID (NCBI)**: 57617
- **Full Name**: vacuolar protein sorting 18 homolog (S. cerevisiae)
- **Calculated MW**: 110 kDa
- **Observed MW**: 100-110 kDa
- **Purification Method**: Antigen affinity purification
- **Recommended Dilutions**: WB 1:500-1:1000, IP 0.5-4.0 μg for IP and 1:200-1:1000 for WB, IHC 1:50-1:500, IF 1:20-1:200

Applications

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

**Note-IHC**: suggested antigen retrieval with TE buffer pH 9.0; (*) 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

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anna Ulbricht</td>
<td>23434281</td>
<td>Curr Biol</td>
<td>WB</td>
</tr>
<tr>
<td>Changyi Ji</td>
<td>30744518</td>
<td>Autophagy</td>
<td>WB</td>
</tr>
<tr>
<td>Qiuhong Shen</td>
<td>32264736</td>
<td>Autophagy</td>
<td>WB</td>
</tr>
</tbody>
</table>

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**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (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

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 10901-1-AP (VPS18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

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


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).

1x10^6 K-562 cells were stained with 0.2ug 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.