

## VPS 33A

**Cat.No. 345 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)**

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 386 to 598 from mouse VPS33A (UniProt Id: Q9D2N9)
Reactivity	Reacts with: rat (Q63615), mouse (Q9D2N9). Other species not tested yet.
Specificity	Specific for VPS 33A.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

In yeast the class C Vacuole protein sorting (VPS) proteins comprising VPS 11, 16, 18 and 33 interact with SNARE and Rab proteins to "tether" vacuolar membranes before fusion.  
Two isoforms **VPS 33A** and B have been identified so far.

### Selected General References

SM proteins Sly1 and Vps33 co-assemble with Sec17 and SNARE complexes to oppose SNARE disassembly by Sec18.  
Lobingier BT, Nickerson DP, Lo SY, Merz AJ  
eLife (2014) 3: e02272.

Sec1/Munc18 protein Vps33 binds to SNARE domains and the quaternary SNARE complex.  
Lobingier BT, Merz AJ  
Molecular biology of the cell (2012) 23(23): 4611-22.

Mammalian late vacuole protein sorting orthologues participate in early endosomal fusion and interact with the cytoskeleton.  
Richardson SC, Winistorfer SC, Poupon V, Luzio JP, Piper RC  
Molecular biology of the cell (2004) 15(3): 1197-210.

Molecular characterization of mammalian homologues of class C Vps proteins that interact with syntaxin-7.  
Kim BY, Krämer H, Yamamoto A, Kominami E, Kohsaka S, Akazawa C  
The Journal of biological chemistry (2001) 276(31): 29393-402.