

VPS18 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57571

Specification

VPS18 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O9P253
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110186

VPS18 Polyclonal Antibody - Additional Information

Gene ID 57617

Other Names

Vacuolar protein sorting-associated protein 18 homolog, hVPS18, VPS18, KIAA1475

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

VPS18 Polyclonal Antibody - Protein Information

Name VPS18 ([HGNC:15972](#))

Synonyms KIAA1475

Function

Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations (PubMed:[11382755](http://www.uniprot.org/citations/11382755), PubMed:[23351085](http://www.uniprot.org/citations/23351085), PubMed:[24554770](http://www.uniprot.org/citations/24554770), PubMed:[25783203](http://www.uniprot.org/citations/25783203)). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:

href="http://www.uniprot.org/citations/25783203" target="_blank">25783203). Involved in dendrite development of Pukinje cells (By similarity).

Cellular Location

Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome Cytoplasmic vesicle, autophagosome. Cytoplasmic vesicle, clathrin-coated vesicle. Note=Cytoplasmic, peripheral membrane protein associated with early endosomes and late endosomes/lysosomes

Tissue Location

Ubiquitous. Expression was highest in heart and low in lung.

VPS18 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VPS18 Polyclonal Antibody - Images