

# Anti-VPS11 Rabbit Monoclonal Antibody

Catalog # ABO15708

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, FC                                                                                                                     |
| <b>Primary Accession</b> | <a href="#">Q9H270</a>                                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                                          |
| <b>Isotype</b>           | IgG                                                                                                                             |
| <b>Reactivity</b>        | Human, Mouse                                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                                          |
| <b>Description</b>       | Anti-VPS11 Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 55823                                                                                                                                      |
| <b>Other Names</b>                     | Vacuolar protein sorting-associated protein 11 homolog, hVPS11, RING finger protein 108, VPS11, RNF108                                     |
| <b>Calculated MW</b>                   | 107809                                                                                                                                     |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:80                                                                                               |
| <b>Source</b>                          | Eukaryota                                                                                                                                  |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 22V84<br>A synthesized peptide derived from human VPS11                                                                             |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|-----------------|-------------------------------------------------------------------|
| <b>Name</b>     | VPS11                                                             |
| <b>Synonyms</b> | RNF108                                                            |
| <b>Function</b> | 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](#), PubMed:[23351085](#), PubMed:[24554770](#), PubMed:[25266290](#), PubMed:[25783203](#)). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:[25783203](#)). Involved in cargo transport from early to late endosomes and required for the transition from early to late endosomes (PubMed:[21148287](#)). Involved in the retrograde Shiga toxin transport (PubMed:[23593995](#)).

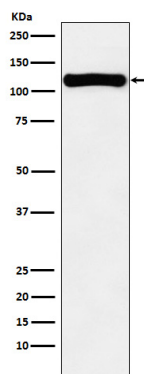
#### Cellular Location

Endosome. Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome {ECO:0000269 | PubMed:21148287, ECO:0000305}. Cytoplasmic vesicle. Cytoplasmic vesicle, autophagosome. Cytoplasmic vesicle, clathrin-coated vesicle

#### Tissue Location

Ubiquitous. Expression was highest in heart and low in lung

## Images



Western blot analysis of VPS11 expression in K562 cell lysate.

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