

Recombinant Anti-VPS11 Rabbit mAb

Catalog # AP95157

Product Information

Application	WB, IHC, FC
Primary Accession	Q9H270
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	107809

Additional Information

Gene ID	55823
Other Names	RNF108; Vacuolar protein sorting-associated protein 11 homolog; hVPS11; RING finger protein 108
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human VPS11 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	VPS11
Synonyms	RNF108
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 , 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](#)).

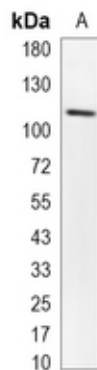
Cellular Location

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.