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Datasheet for ABIN7175285

anti-VPS18 antibody (AA 298-515) (Biotin)



Overview		
Quantity:	100 μL	
Target:	VPS18	
Binding Specificity:	AA 298-515	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This VPS18 antibody is conjugated to Biotin	
Application:	ELISA	
Product Details		
Immunogen:	Recombinant Human Vacuolar protein sorting-associated protein 18 homolog protein (298-515AA)	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	>95%, Protein G purified	
Target Details		
Target:	VPS18	
Alternative Name:	VPS18 (VPS18 Products)	
Background:	Background: 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:25783203). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:25783203). Involved in dendrite development of Pukinje cells (By similarity). Aliases: hVPS18 antibody, PEP3 antibody, Vacuolar protein sorting 18 antibody, Vacuolar protein sorting protein 18 homolog antibody, vps18 antibody, VPS18_HUMAN antibody

UniProt: Q9P253

Pathways: Asymmetric Protein Localization

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Storage:

Format:

Buffer:

Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative:

ProClin

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

-20 °C,-80 °C