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Datasheet for ABIN7175287 anti-VPS18 antibody (AA 298-515) (HRP)



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Quantity:	100 µL
Target:	VPS18
Binding Specificity:	AA 298-515
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS18 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Vacuolar protein sorting-associated protein 18 homolog protein (298- 515AA)
Isotype:	lgG
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

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	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 antibody, Vacuolar protein sorting-associated 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	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Durananti	
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.

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