

Datasheet for ABIN7120707 **anti-VPS33A antibody**



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Overview

Quantity:	100 µg
Target:	VPS33A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS33A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	vacuolar protein sorting 33 homolog A(S. cerevisiae)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	VPS33A
Alternative Name:	VPS33A (VPS33A Products)
Background:	Synonyms:FLJ22395, FLJ23187, hVPS33A, VPS33A 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-

Target Details

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:23351085, PubMed:24554770, PubMed:25266290, PubMed:25783203). Required for fusion of endosomes and autophagosomes with lysosomes, the function is dependent on its association with VPS16 but not VIPAS39(PubMed:25783203). The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG(PubMed:24554770).

Molecular Weight: 68 kDa

Gene ID: 65082

UniProt: [Q96AX1](#)

Application Details

Application Notes: WB: 1:500-1:5000, IP: 1:200-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months