

anti- VPS16 antibody

Product Information

Catalog No.:	FNab09428
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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:25266290, PubMed:25783203). Required for recruitment of VPS33A to the HOPS complex(PubMed:23901104). Required for fusion of endosomes and autophagosomes with lysosomes; the function is dependent on its association with VPS33A but not VPS33B(PubMed:25783203). The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG(PubMed:24554770).

Immunogen information

Immunogen:	vacuolar protein sorting 16 homolog(<i>S. cerevisiae</i>)
Synonyms:	HVPS16, VPS16

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Observed MW: 95 kDa
Uniprot ID : Q9H269

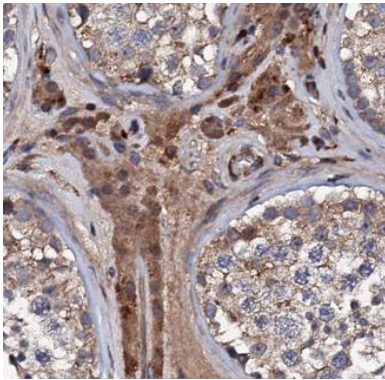
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:5000; IHC: 1:20-1:200; IP: 1:200-1:2000

Image:



Immunohistochemistry of paraffin-embedded human testis using FNab09428(VPS16 antibody) at dilution of 1:100

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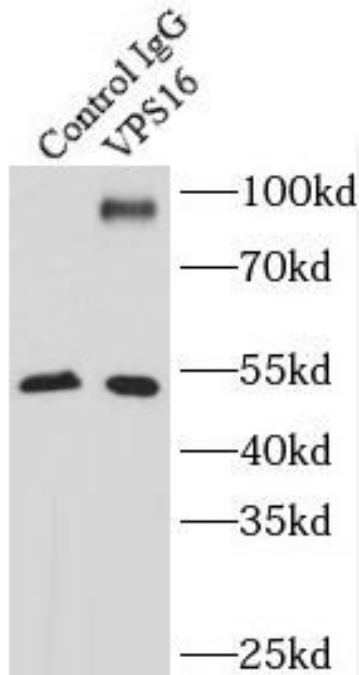
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IP Result of anti-VPS16 (IP:FNab09428, 3ug;
Detection:FNab09428 1:500) with HeLa cells
lysate 2480ug.



HepG2 cells were subjected to SDS PAGE
followed by western blot with FNab09428(VPS16
antibody) at dilution of 1:500

