

## anti- VPS39 antibody

### Product Information

Catalog No.:	FNab09441
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

Regulator of TGF-beta/activin signaling, inhibiting SMAD3-and activating SMAD2-dependent transcription. Acts by interfering with SMAD3/SMAD4 complex formation, this would lead to inhibition of SMAD3-dependent transcription and relieve SMAD3 inhibition of SMAD2-dependent promoters, thus increasing SMAD2-dependent transcription. Does not affect TGF-beta-induced SMAD2 or SMAD3 phosphorylation, nor SMAD2/SMAD4 complex formation. Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act in part as a component of the putative HOPS endosomal tethering complex which is 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(PubMed:23351085). Involved in homotypic vesicle fusions between late endosomes and in heterotypic fusions between late endosomes and lysosomes(PubMed:11448994, PubMed:23351085, PubMed:23167963). Required for fusion of endosomes and autophagosomes with lysosomes(PubMed:25783203).

### Immunogen information

Immunogen: vacuolar protein sorting 39 homolog(S. cerevisiae)

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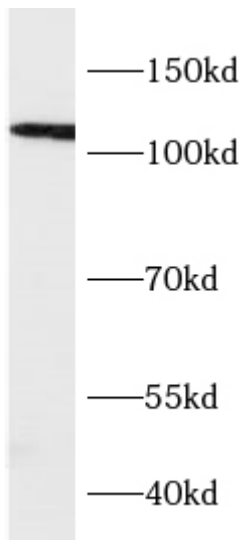
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Synonyms: FLJ21681, FLJ46546, hVam6p, KIAA0770, TLP, VAM6, Vam6/Vps39 like protein, VPS39  
Observed MW: 102 kDa  
Uniprot ID : Q96JC1

### Application

Reactivity: Human, Mouse  
Tested Application: ELISA, WB  
Recommended dilution: WB: 1:500 - 1:2000  
Image:



A549 cells were subjected to SDS PAGE followed by western blot with FNab09441(VPS39 antibody) at dilution of 1:1000