

anti- VPS18 antibody

Product Information

Catalog No.:	FNab09429
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:25783203). Required for fusion of endosomes and autophagosomes with lysosomes(PubMed:25783203). Involved in dendrite development of Pukinje cells(By similarity).

Immunogen information

Immunogen:	vacuolar protein sorting 18 homolog
Synonyms:	HVPS18, KIAA1475, PEP3, VPS18
Observed MW:	110 kDa
Uniprot ID :	Q9P253

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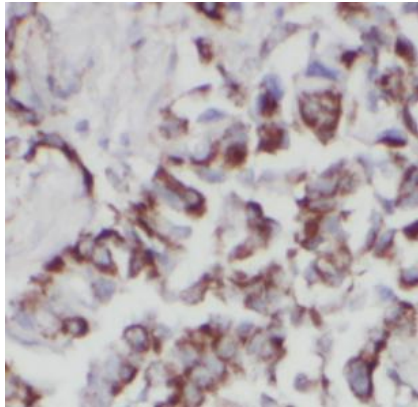
Application

Reactivity: Human, Mouse, Rat

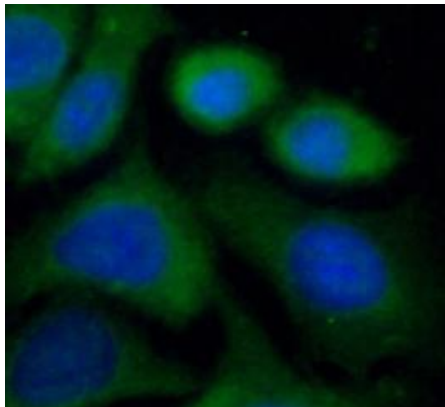
Tested Application: ELISA, IP, IHC, FC, IF

Recommended dilution: WB: 1:200-1:1000; IHC: 1:50-1:500; IP: 1:200-1:1000; IF: 1:20-1:200

Image:



Immunohistochemical of paraffin-embedded human lung cancer using FNaB09429(VPS18 antibody) at dilution of 1:100



Immunofluorescent analysis of A549 cells using FNaB09429 (VPS18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

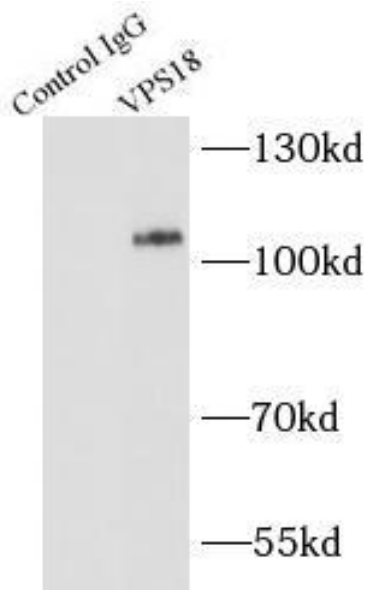
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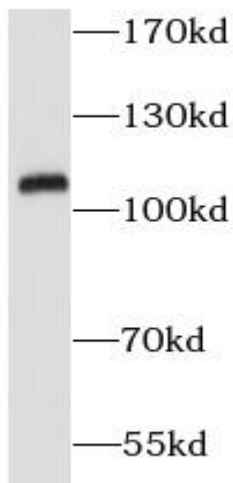
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IP Result of anti-VPS18 (IP: FNab09429 4ug;
Detection: FNab09429 1:300) with HeLa cells
lysate 1000ug.



HEK-293 cells were subjected to SDS PAGE
followed by western blot with FNab09429(VPS18
antibody) at dilution of 1:300