

anti- VPS35 antibody

Product Information

Catalog No.:	FNab09439
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

Acts as component of the retromer cargo-selective complex(CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The CSC seems to associate with the cytoplasmic domain of cargo proteins predominantly via VPS35; however, these interactions seem to be of low affinity and retromer SNX proteins may also contribute to cargo selectivity thus questioning the classical function of the CSC. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network(TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde endosome-to-TGN transport of WLS distinct from the SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5(Probable). Required for retrograde transport of lysosomal enzyme receptor IGF2R and SLC11A2. Required to regulate transcytosis of the polymeric immunoglobulin receptor(pIgR-pIgA)(PubMed:15078903, PubMed:15247922, PubMed:20164305). Required for endosomal localization of FAM21C(PubMed:22070227). Mediates the association of the CSC with the WASH complex via FAM21(PubMed:22070227, PubMed:24980502, PubMed:24819384). Required for the endosomal localization of TBC1D5(PubMed:20923837).

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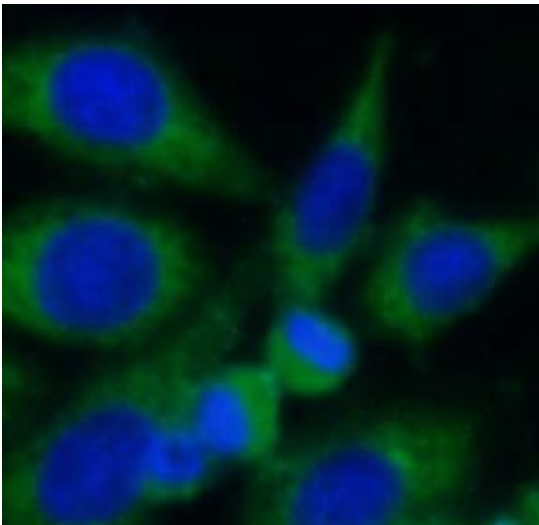
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Immunogen information

Immunogen: vacuolar protein sorting 35 homolog(S. cerevisiae)
Synonyms: DKFZp434E1211, DKFZp434P1672, FLJ10752, FLJ13588, FLJ20388, hVPS35, Maternal embryonic 3, MEM3, Vesicle protein sorting 35, VPS35
Observed MW: 92 kDa
UniprotID : Q96QK1

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IF, IP
Recommended dilution:WB: 1:200-1:1000; IP: 1:200-1: 1000; IF: 1: 10-1: 100
Image:



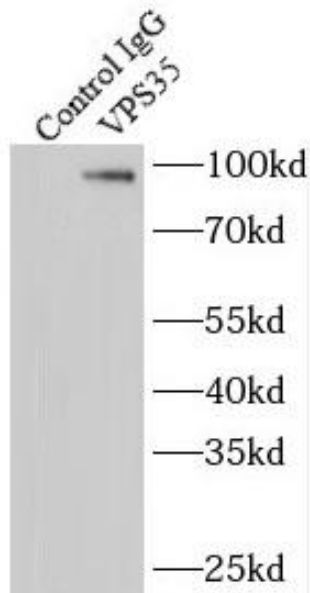
Immunofluorescent analysis of HepG2 cells using FNab09439(VPS35 Antibody) at dilution of 1:25.

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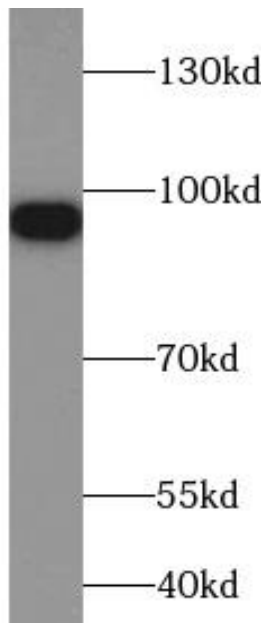
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IP Result of anti-VPS35 (IP:FNab09439, 4ug;
Detection:FNab09439 1:600) with mouse kidney
tissue lysate 4000ug.



HepG2 cells were subjected to SDS PAGE
followed by western blot with FNab09439(VPS35
Antibody) at dilution of 1:600