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Datasheet for ABIN7120721 anti-VPS26A antibody

Overview

Quantity:	100 µg
Target:	VPS26A
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS26A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	vacuolar protein sorting 26 homolog A
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	VPS26A
Alternative Name:	VPS26A (VPS26A Products)
Background:	Synonyms:FLJ12930, HB58, Hbeta58, hVPS26, PEP8A, Vesicle protein sorting 26A, VPS26, VPS26A 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

Target Details

the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. 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(Probable). 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(PubMed:15078902, PubMed:15078903). Required to regulate transcytosis of the polymeric immunoglobulin receptor(pIgR-pIgA)(PubMed:15247922). Required for the endosomal localization of FAM21A(indicative for the WASH complex)(PubMed:22070227). Required for the endosomal localization of TBC1D5(PubMed:20923837). Mediates retromer cargo recognition of SORL1 and is involved in trafficking of SORL1 implicated in sorting and processing of APP(PubMed:22279231). Involved in retromer-independent lysosomal sorting of F2R(PubMed:16407403). Involved in recycling of ADRB2(PubMed:21602791). Enhances the affinity of SNX27 for PDZ-binding motifs in cargo proteins(By similarity).

Molecular Weight:	38 kDa
Gene ID:	9559
UniProt:	O75436

Application Details

Application Notes:	WB: 1:500-1:2000, IHC: 1:20-1:200, IF: 1:20-1:200
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

Handling

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

Expiry Date: 12 months