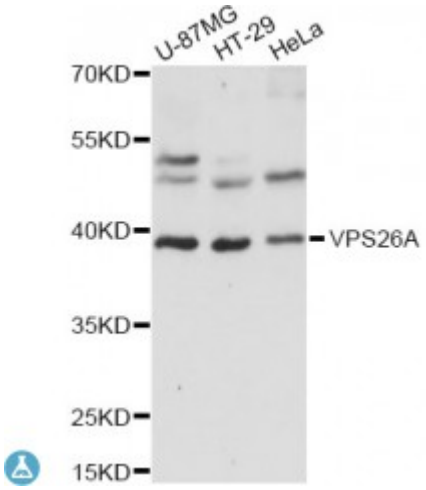
Anti-VPS26A Antibody



Description	This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is a component of a large multimeric complex, termed the retromer complex, involved in retrograde transport of proteins from endosomes to the trans-Golgi network. The close structural similarity between the yeast and human proteins that make up this complex suggests a similarity in function. Expression studies in yeast and mammalian cells indicate that this protein interacts directly with VPS35, which serves as the core of the retromer complex. Alternative splicing results in multiple transcript variants encoding different isoforms.

Model	STJ116478
Host	Rabbit
Reactivity	Human
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 208-327 of human VPS26A (NP_004887.2).
Gene ID	9559
Gene Symbol	VPS26A
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Vacuolar protein sorting-associated protein 26A Vesicle protein sorting 26A hVPS26

Molecular Weight	38.17 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12711OMIM:605506Reactome:R-HSA-3238698
Alternative Names	Vacuolar protein sorting-associated protein 26A Vesicle protein sorting 26A hVPS26
Function	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 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 ,
Cellular Localization	Cytoplasm,