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# KD-Validated Anti-VPS26 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1745

## Product Information

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|---|---|
| **Application** | WB, FC, ICC |
| **Primary Accession** | O75436 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | 24GB2415 |
| **Calculated MW** | 38170 |
| **Gene Name** | VPS26A |
| **Aliases** | VPS26A; VPS26 Retromer Complex Component A; Hbeta58; PEP8A; VPS26; Vacuolar Protein Sorting-Associated Protein 26A; Vesicle Protein Sorting 26A; Vacuolar Protein Sorting 26 Homolog A (S. Pombe); Vacuolar Protein Sorting 26 (Yeast Homolog); Vacuolar Protein Sorting 26 Homolog A; VPS26, Retromer Complex Component A; VPS26 Retromer Complex Comonent A; HVPS26; HB58 |
| **Immunogen** | A synthesized peptide derived from human VPS26 |

## Additional Information

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| **Gene ID** | 9559 |
| **Other Names** | Vacuolar protein sorting-associated protein 26A, Vesicle protein sorting 26A, hVPS26, VPS26A {ECO:0000303\|PubMed:30213940, ECO:0000312\|HGNC:HGNC:12711} |

## Protein Information

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|---|---|
| **Name** | VPS26A {ECO:0000303\|PubMed:30213940, ECO:0000312\|HGNC:HGNC:12711} |
| **Function** | Acts as a 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 (PubMed:15078902, PubMed:15078903). Required to regulate transcytosis of the polymeric immunoglobulin receptor (pIgR-pIgA) (PubMed:15247922). Required for the endosomal localization of WASHC2A (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).

**Cellular Location**

Cytoplasm. Endosome membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P40336}. Early endosome Note=Localizes to tubular profiles adjacent to endosomes (PubMed:15078903). Predominantly found in early not late endosomes (By similarity). {ECO:0000250|UniProtKB:P40336}

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