
Product Name: KD-Validated VPS35 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01277**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 91.7kDa

Antigen Information

Gene Name	VPS35
Alternative Names	VPS35; VPS35 Retromer Complex Component; MEM3; PARK17; Vacuolar Protein Sorting-Associated Protein 35; Maternal-Embryonic 3; FLJ10752; HVPS35; Vacuolar Protein Sorting 35 Homolog (S. Cerevisiae); Vacuolar Protein Sorting 35 Homolog; VPS35, Retromer Complex Component; Vesicle Protein Sorting 35
Gene ID	55737.0
SwissProt ID	Q96QK1
Immunogen	A synthesized peptide derived from human VPS35

Background

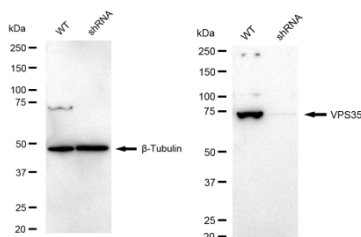
This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is a component of a large

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. [provided by RefSeq, Jul 2008]

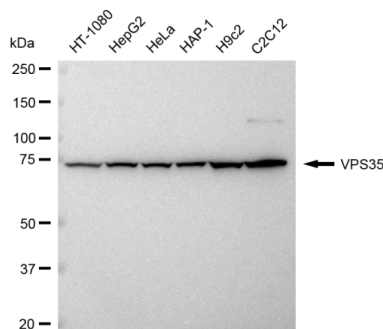
Research Area

Signal Transduction

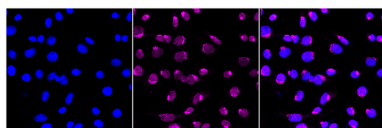
Image Data



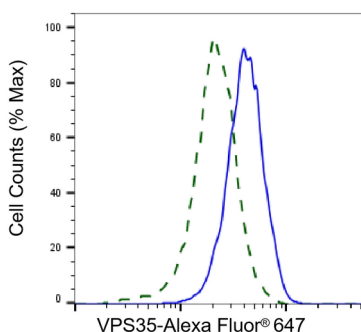
Western blotting analysis using VPS35 antibody (KVA01277). VPS35 expression in wild type (WT) and VPS35 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with VPS35 antibody (KVA01277, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



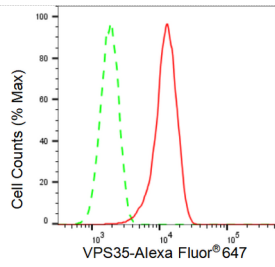
Western blotting analysis using VPS35 antibody (KVA01277). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with VPS35 antibody (KVA01277, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with VPS35 antibody (KVA01277, 1:1,000). Nuclei were stained blue with DAPI; VPS35 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 μ m.



Validation of VPS35 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with VPS35 antibody (KVA01277, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of VPS35 expression in C2C12 cells using VPS35 antibody (KVA01277, 1:2,000). Green, isotype control; red, VPS35.