

Product Name: KD-Validated VPS28 Subunit Of Escrt-I Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00886

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 25.4kDa

Antigen Information

Gene Name	VPS28 VPS28; VPS28 Subunit Of ESCRT-I ; Vacuolar Protein Sorting-Associated Protein 28 Homolog; ESCRT-I Complex Subunit VPS28; VPS28, ESCRT-I Subunit; Vacuolar Protein
Alternative Names	Sorting 28 Homolog (S. Cerevisiae); Vacuolar Protein Sorting 28-Like Protein; Yeast Class E Protein Vps28p Homolog; Vacuolar Protein Sorting 28 (Yeast); Vacuolar Protein Sorting 28 Homolog; H-Vps28
Gene ID	51160.0
SwissProt ID	Q9UK41
Immunogen	A synthesized peptide derived from human beta VPS28

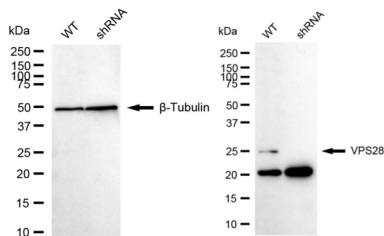
Background

This gene encodes a protein subunit of the ESCRT-I complex (endosomal complexes required for transport), which functions in the transport and sorting of proteins into subcellular vesicles. This complex can also be hijacked to facilitate the budding of enveloped viruses from the cell membrane. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

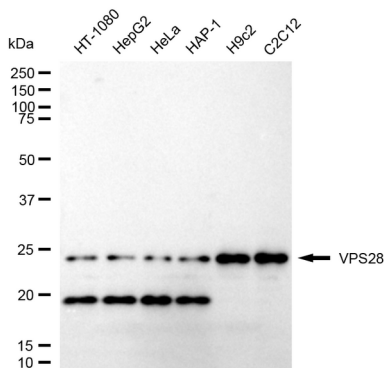
Research Area

Tags & Cell Markers, Signal Transduction

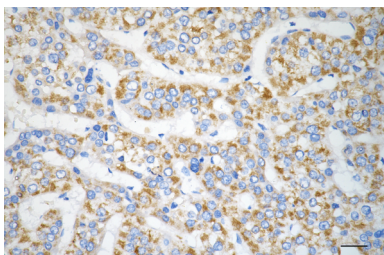
Image Data



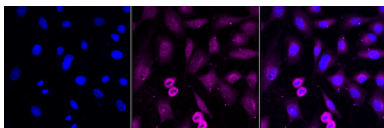
Western blotting analysis using VPS28 antibody (KVA00886). VPS28 expression in wild type (WT) and VPS28 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with VPS28 antibody (KVA00886, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



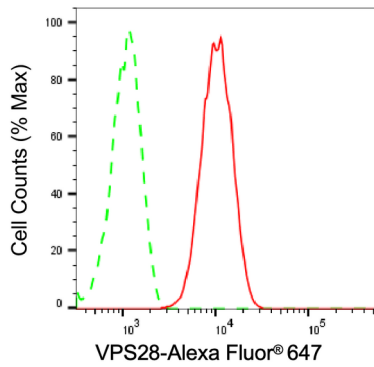
Western blotting analysis using VPS28 antibody (KVA00886). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with VPS28 antibody (KVA00886, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human hepatocarcinoma using VPS28 antibody (KVA00886, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of C2C12 cells with VPS28 antibody (KVA00886, 1:1,000). Nuclei were stained blue with DAPI; VPS28 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 µm.



Flow cytometric analysis of VPS28 expression in C2C12 cells using VPS28 antibody (KVA00886, 1:2,000). Green, isotype control; red, VPS28.