

VPS35 Rabbit mAb

Catalog No: #49784



Package Size: #49784-1 50ul #49784-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

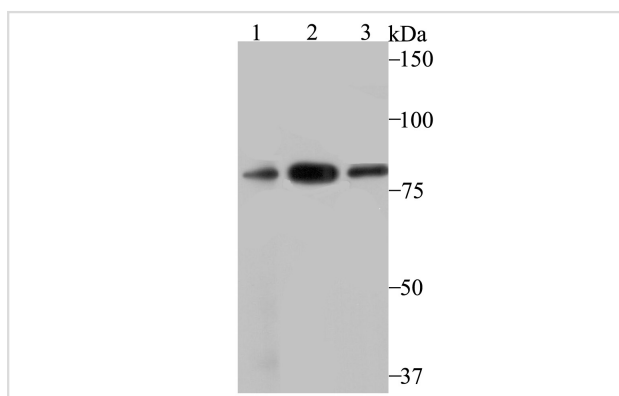
Description

Product Name	VPS35 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB33-82
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	DKFZp434E1211 antibody DKFZp434P1672 antibody FLJ10752 antibody FLJ13588 antibody FLJ20388 antibody hVPS35 antibody Maternal embryonic 3 antibody Maternal-embryonic 3 antibody MEM 3 antibody MEM3 antibody PARK17 antibody TCCCTA00141 antibody Vacuolar protein sorting 35 (yeast) antibody Vacuolar protein sorting 35 antibody Vacuolar protein sorting 35 homolog antibody Vacuolar protein sorting associated protein 35 antibody Vacuolar protein sorting-associated protein 35 antibody Vesicle protein sorting 35 antibody VPS 35 antibody VPS35 antibody VPS35_HUMAN antibody
Accession No.	Swiss-Prot#:Q96QK1
Calculated MW	91 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

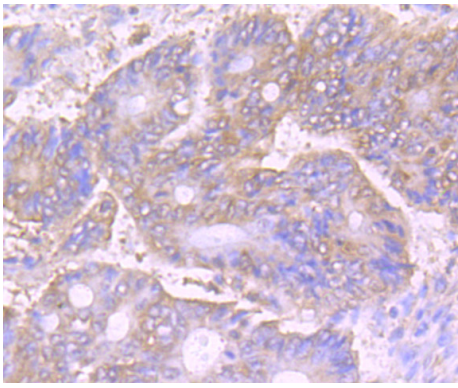
Application Details

WB: 1:500-1:1,000 IHC: 1:100-1:300 FC: 1:50-1:100

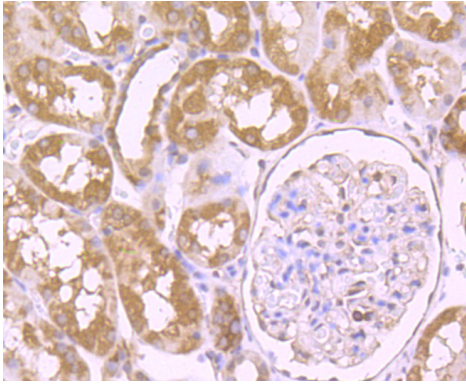
Images



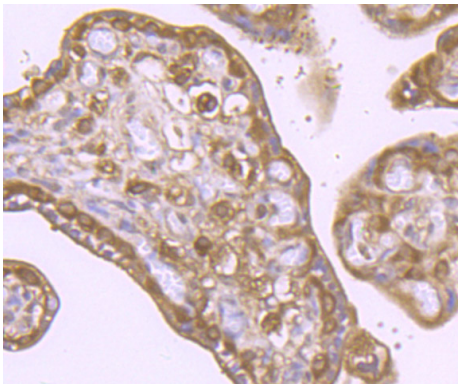
Western blot analysis of VPS35 on different lysates using anti-VPS35 antibody at 1/500 dilution. Positive control: Lane 1: PC-3M Lane 2: U937 Lane 3: SH-SY-5Y



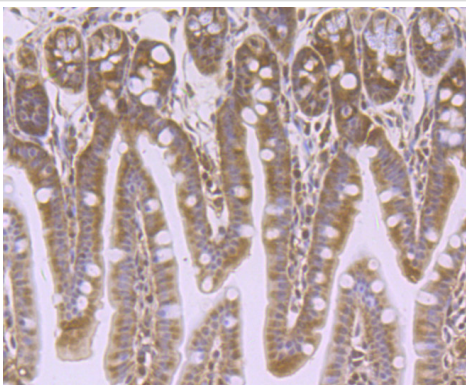
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-VPS35 antibody. Counter stained with hematoxylin.



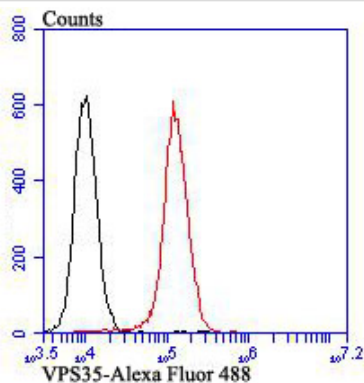
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-VPS35 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-VPS35 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-VPS35 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of 293T cells with VPS35 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Vacuolar sorting proteins (VPSs) are required for proper trafficking of endocytic and biosynthetic proteins to the vacuole and play an important role in the budding process of cells. VPS35 (vacuolar protein sorting 35), also known as MEM3, is the 796 amino acid human homolog of the *S. cerevisiae* Vps35 protein. Localized to the cytoplasm and to the peripheral membrane, VPS35 is an essential component of the retromer complex which is involved in retrieval of lysosomal enzyme receptors from endosomes to the trans-Golgi network. VPS35 is expressed ubiquitously with highest expression in heart, placenta, brain, testis, kidney, colon, ovary and spleen. In addition to its crucial role in the retromer complex, VPS35 is part of a subcomplex that is required to regulate transcytosis of the polymeric immunoglobulin receptor from the basolateral to the apical surface of epithelial cells and hepatocytes.

References

1. Arighi C N et al. Role of the mammalian retromer in sorting of the cation-independent mannose 6-phosphate receptor. *J Cell Biol* 165:123-133 (2004) .
2. Verges M et al. The mammalian retromer regulates transcytosis of the polymeric immunoglobulin receptor. *Nat Cell Biol* 6:763-769 (2004).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.