Anti-VPS28 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016207

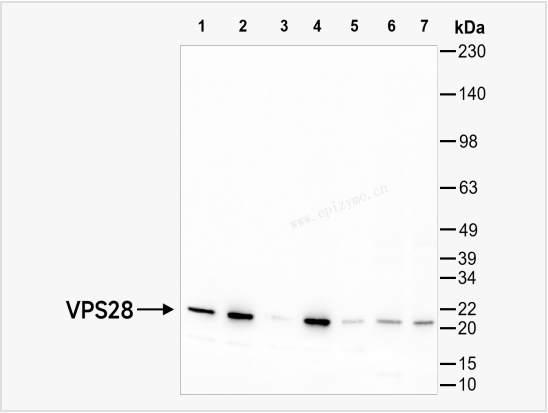
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	39A35C91
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human VPS28
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-VPS28 Rabbit mAb [39A35C91] is for research use only and not for use in diagnostic or therapeutic procedures.

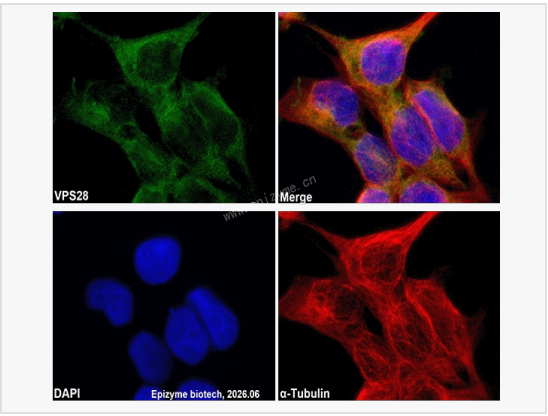
Protein Information

Synonyms	Vacuolar protein sorting-associated protein 28 homolog; H-Vps28; ESCRT-I complex subunit VPS28; VPS28.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 23 kDa
Uniprot ID	Q9UK41
Gene ID	51160
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]
Cellular Location	Cell membrane. Late endosome membrane; Peripheral membrane protein.

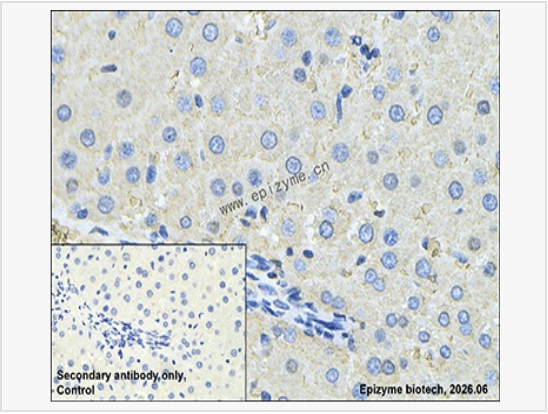
Validation Images



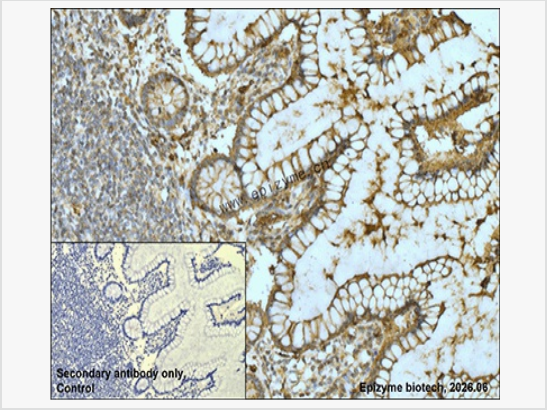
Western Blot - Anti-VPS28 Rabbit mAb [39A35C91]
All lanes: R016207 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: 293T (Human embryonic kidney cell) whole cell lysates
Lane 3: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 4: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 5: U87 (Human malignant glioblastoma epithelial cell) whole cell lysates
Lane 6: Mouse brain whole tissue lysates
Lane 7: Rat brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 25 kDa
Observed band size: 23 kDa
Developed using the ECL technique (Cat. No. SQ201).



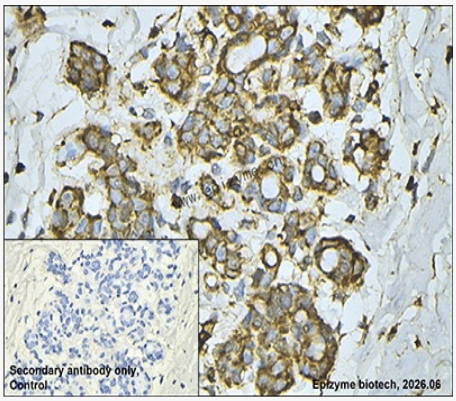
Immunofluorescence - Anti-VPS28 Rabbit mAb [39A35C91]
Sample: HEK293T cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibody: R016207 at 1:100 dilution and and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibody: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-VPS28 Rabbit mAb [39A35C91]
Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016207 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-VPS28 Rabbit mAb [39A35C91]
Sample: Paraformaldehyde-fixed, paraffin embedded human colon cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016207 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-VPS28 Rabbit mAb [39A35C91]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016207 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.