

Product Datasheet

VPS33A Antibody NBP2-20872

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-20872**VPS33A Antibody**

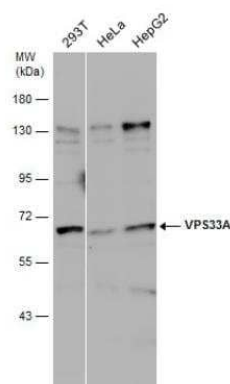
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 20% Glycerol
Target Molecular Weight	68 kDa

Product Description	
Host	Rabbit
Gene ID	65082
Gene Symbol	VPS33A
Species	Human, Mouse
Reactivity Notes	Zebrafish (83%), Xenopus laevis (86%).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human VPS33A. The exact sequence is proprietary.

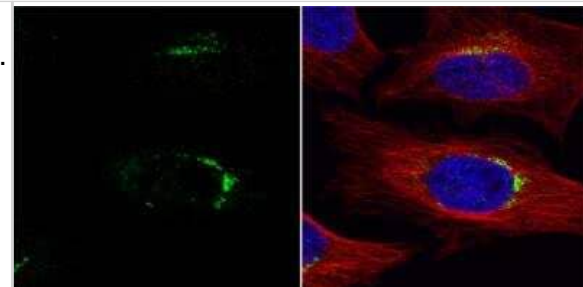
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockdown Validated

Images

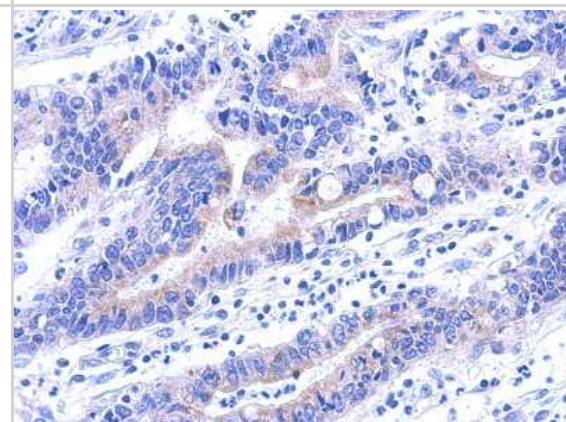
Western Blot: VPS33A Antibody [NBP2-20872] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with VPS33A antibody [C1C3] (119416) diluted at 1:500. The signal was developed with Trident ECL plus-Enhanced.



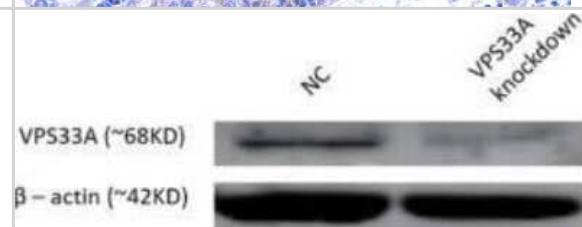
Immunocytochemistry/Immunofluorescence: VPS33A Antibody [NBP2-20872] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: VPS33A protein stained by VPS33A antibody [C1C3] diluted at 1:200. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] (NBP2-43837) diluted at 1:1000. Blue: Hoechst 33342 staining.



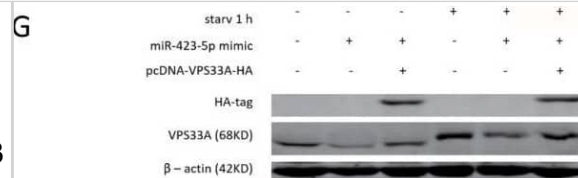
Immunohistochemistry-Paraffin: VPS33A Antibody [NBP2-20872] - Immunohistochemical analysis of paraffin-embedded colon ca, using antibody at 1:500 dilution.



Knockdown Validated: VPS33A Antibody [NBP2-20872] - The expression levels of VPS33A in the macrophages transfected with VPS33A specific siRNA or NC siRNA were analyzed. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30898038/>) licensed under a CC-BY license.



Western Blot: VPS33A Antibody [NBP2-20872] - VPS33A was the direct target of miR-423-5p. (A) The location of the two miR-423-5p binding domains. Interaction domains are indicated by red font. Mutant sequences are indicated by bold font. (B) The structure diagram of the constructed plasmids. (C) A 2 × 4 (factor of miRNA: NC mimic & miR-423-5p mimic, 100 nM; factor of luciferase reporter plasmid: pmirGLO vector (mock), pmirGLO-WT, pmirGLO-MT1, pmirGLO-MT2 & pmirGLO-MT (1 + 2)) orthogonal experiment for Dual-Glo-Luciferase-Assay was performed. (D) The co-localization of LC3-GFP puncta with lysosomes in the macrophages transfected with VPS33A specific siRNA (negative siRNA as NC) was analyzed. More than 20 cells from three independent experiments were analyzed. Scale bars: 5 μm. (E) The expression levels of VPS33A in the macrophages transfected with VPS33A specific siRNA or NC siRNA were analyzed. (F) The co-localization of LC3-GFP puncta with lysosomes in the macrophages transfected with NC mimic, miR-423-5p mimic, or miR-423-5p mimic + pcDNA-VPS33A were analyzed. More than 20 cells from three independent experiments were analyzed. Scale bars: 5 μm. (G) The protein levels of VPS33A in the macrophages transfected with NC mimic, miR-423-5p mimic, or miR-423-5p mimic + pcDNA-VPS33A were analyzed by western blot. The statistical results were obtained from more than three independent experiments. Target genes were normalized with β-actin. Data are presented as mean ± SD, & Error bars indicate the SD. NC: negative control. *P < 0.05, ** P < 0.01, *** P < 0.001. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30898038>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Gu Y, Princely Y, Kumar S et al. Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through SNAREs. *EMBO J.* 2019-10-18 [PMID: 31625181]

Tu H, Yang S, et al. Elevated pulmonary tuberculosis biomarker miR-423-5p plays critical role in the occurrence of active TB by inhibiting autophagosome-lysosome fusion. *Emerg Microbes Infect* 2019-03-23 [PMID: 30898038] (WB, Human)



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Products Related to NBP2-20872

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00065082-P01-10ug	Recombinant Human VPS33A GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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