

Rabbit VPS53 Polyclonal Antibody | anti-VPS53 antibody

VPS53 Antibody

CATALOG # AAA39621	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

VPS53; Polyclonal Antibody; VPS53 Antibody; HCCS1; hVps53L; pp13624; Vacuolar protein sorting-associated protein 53 homolog; vacuolar protein sorting 53 homolog (S. cerevisiae); anti-VPS53 antibody

PRODUCT SPECIFICATIONS

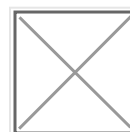
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	VPS53 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	832
Applicable Applications for anti-VPS53 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	VPS53 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human VPS53.
Buffer	VPS53 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	VPS53 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



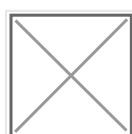
IF (Immunofluorescence)

Immunofluorescence of VPS53 in 293 cells with VPS53 antibody at 2.5 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of VPS53 in 293 cells with VPS53 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of VPS53 in 293 cell lysate with VPS53 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-VPS53 antibody	VPS53 Antibody: The sorting of acid hydrolases to lysosomes rely on mannose 6-phosphate receptors that cycle between the trans-Golgi network (TGN) and endosomes. The maintenance of this cycle requires the function of the mammalian Golgi-associated retrograde protein (GARP) complex which is composed of three subunits: VPS52, VPS53, and VPS54. Depletion of any of these three proteins, such as by RNAi, impairs the retrograde transport of multiple TGN proteins. VPS53 was identified as an HIV dependency factor (HDF) and plays a role in viral entry to the cell, suggesting that VPS53 may be an important drug target in HIV treatment. At least five isoforms of VPS53 are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119611064
NCBI GeneID	55275
UniProt Accession #	Q5VIR6; Q8WYW3; Q9BRR2; Q9BY02; Q9NV25; A8K2S8; B3FH42
Molecular Weight	94,405 Da
NCBI Official Full Name	vacuolar protein sorting 53 (yeast), isoform CRA_a
NCBI Official Synonym Full Names	vacuolar protein sorting 53 homolog (S. cerevisiae)
NCBI Official Symbol	VPS53
NCBI Official Synonym Symbols	HCCS1; PCH2E; hVps53L; pp13624
NCBI Protein Information	vacuolar protein sorting-associated protein 53 homolog
UniProt Protein Name	Vacuolar protein sorting-associated protein 53 homolog
UniProt Gene Name	VPS53
UniProt Entry Name	VPS53_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.