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Product datasheet for TA306570

VPS53 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	VPS53 antibody was raised against a 18 amino acid peptide from near the carboxy terminus of human VPS53.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	VPS53, GARP complex subunit
Database Link:	NP_001121631 Entrez Gene 68299 MouseEntrez Gene 287535 RatEntrez Gene 55275 Human Q5VIR6
Background:	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.
Synonyms:	HCCS1; hVps53L; PCH2E; pp13624

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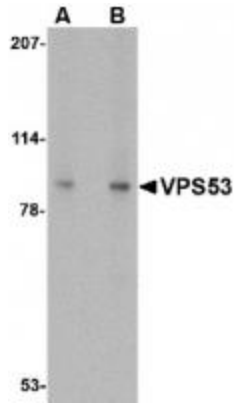
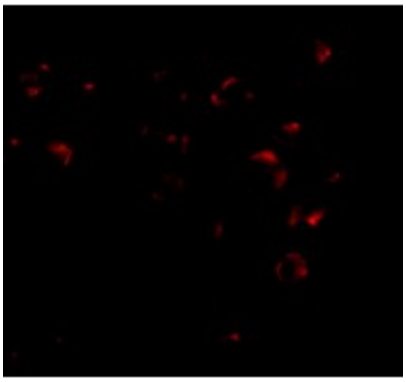
Product images:



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

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



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