

## Anti-VPS53 Antibody

Catalog Number: A06836

### About VPS53

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.

### Overview

Product Name	Anti-VPS53 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VPS53 Antibody (Catalog # A06836). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	VPS53 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	VPS53 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q5VIR6

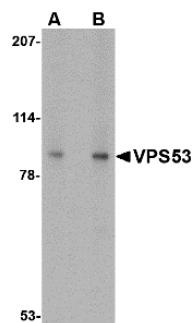
### Technical Details

Immunogen	VPS53 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human VPS53. The immunogen is located within the last 50 amino acids of VPS53.
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VPS53 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VPS53 antibody can be used for detection of VPS53 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 2.5

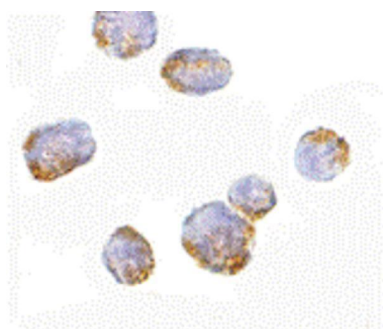
ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

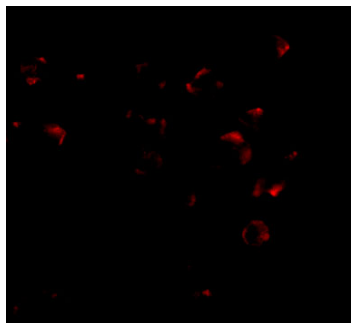
## Anti-VPS53 Antibody (A06836) Images



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.

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Anti-VPS53 Antibody

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