

VPS53 Antibody

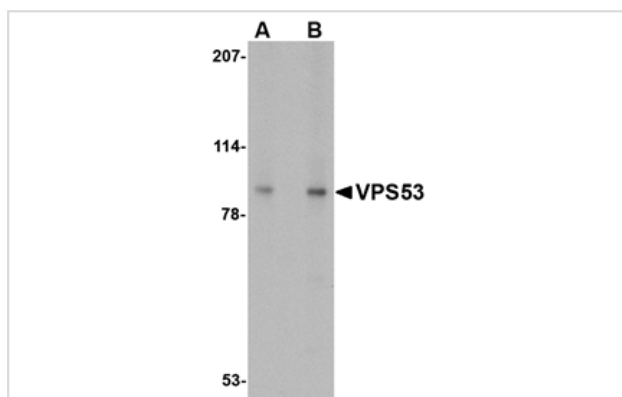
Catalog No: #24678

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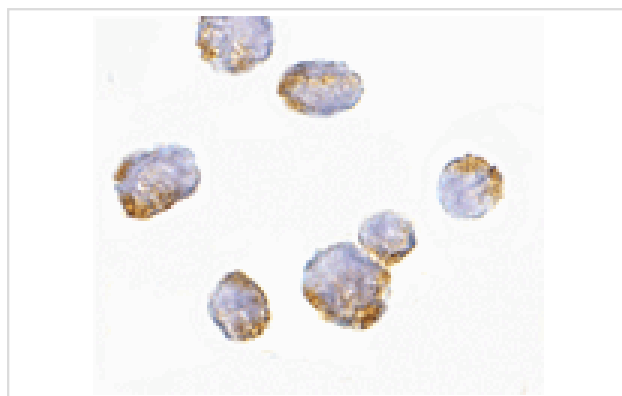
Description

| | |
|-----------------------|---|
| Product Name | VPS53 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | ELISA WB ICC |
| Species Reactivity | Hu Ms Rt |
| Immunogen Type | Peptide |
| Immunogen Description | Raised against a 18 amino acid peptide from near the carboxy terminus of human VPS53. |
| Target Name | VPS53 |
| Other Names | Vacuolar protein sorting 53, HCCS1 |
| Accession No. | EAW90658 |
| Concentration | 1mg/ml |
| Formulation | Supplied in PBS containing 0.02% sodium azide. |
| Storage | Can be stored at -20°C, stable for 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



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.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.