Datasheet for ABIN783564

anti-VPS53 antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	VPS53
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS53 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	18 amino acid peptide from near the carboxy terminus of human VPS53
Specificity:	This antibody detects VPS53 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	VPS53
Alternative Name:	VPS53 (VPS53 Products)
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

Target Details

	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: PP13624, Vacuolar protein sorting-associated protein 53 homolog
Gene ID:	55275
NCBI Accession:	NP_001121631
UniProt:	Q5VIR6

Application Details

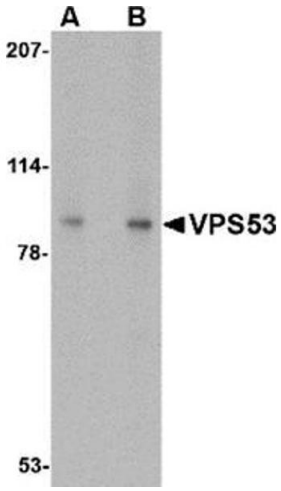
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.

Immunofluorescence

Image 1. Immunocytochemistry of VPS53 in 293 cells with VPS53 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of VPS53 in 293 cell lysate with VPS53 antibody at (A) 0.5 and (B) 1 µg/ml.