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Datasheet for ABIN7175320  
**anti-VPS4B antibody (AA 1-117)**

4 Images

Overview

Quantity:	100 µg
Target:	VPS4B (vps4b)
Binding Specificity:	AA 1-117
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS4B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Vacuolar protein sorting-associated protein 4B protein (1-117AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	VPS4B (vps4b)
Alternative Name:	VPS4B ( <a href="#">vps4b Products</a> )
Background:	Background: Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly,

## Target Details

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possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).

Aliases: 8030489C12Rik antibody, Cell migration inducing 1 antibody, Cell migration-inducing gene 1 protein antibody, MGC116271 antibody, MIG1 antibody, Protein SKD1 antibody, Skd1 antibody, SKD1B antibody, Suppressor of K(+) transport growth defect 1 antibody, Suppressor of K+ transport defect 1 antibody, Vacuolar protein sorting 4 homolog B (S. cerevisiae) antibody, Vacuolar protein sorting 4 homolog B antibody, Vacuolar protein sorting 4b antibody, Vacuolar protein sorting-associated protein 4B antibody, Vacuolar protein sorting-associated protein 4B antibody, VPS4 2 antibody, VPS42 antibody, Vps4b antibody, VPS4B\_HUMAN antibody

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UniProt: [O75351](#)

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Pathways: [Microtubule Dynamics](#), [CXCR4-mediated Signaling Events](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:200-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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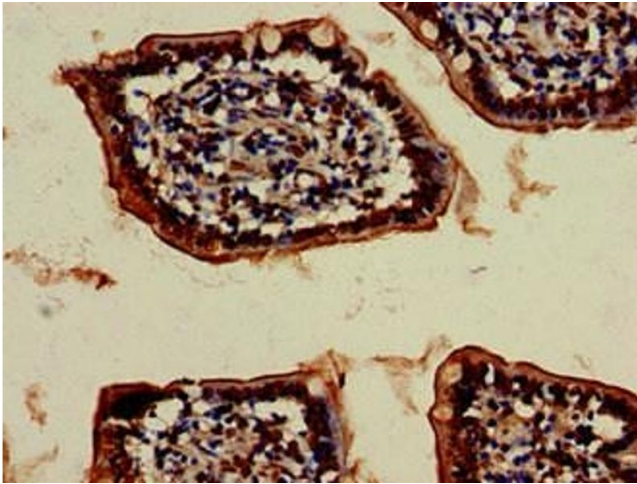
Storage: -20 °C,-80 °C

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## Handling

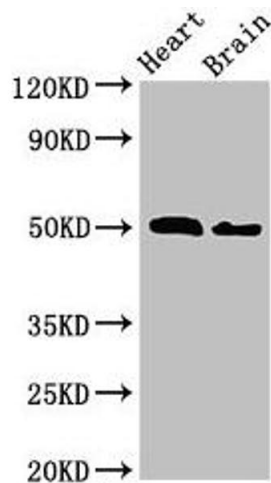
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



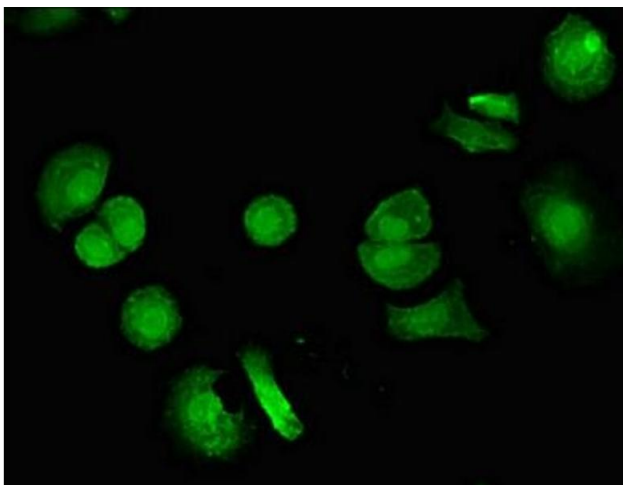
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7175320 at dilution of 1:100



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse heart tissue, Mouse brain tissue All lanes: VPS4B antibody at 2.5  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 50 kDa Observed band size: 50 kDa



### Immunofluorescence

**Image 3.** Immunofluorescent analysis of MCF-7 cells using ABIN7175320 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7175320.