

Rabbit anti-Human VPS4B Polyclonal Antibody | anti-VPS4B antibody

VPS4B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233312	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

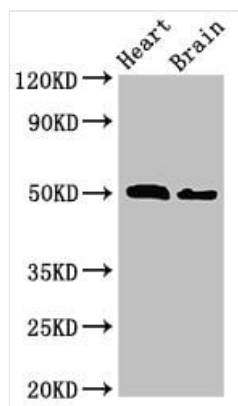
PRODUCT SYNONYMS

VPS4B; Polyclonal Antibody; VPS4B Antibody; Vacuolar protein sorting-associated protein 4B; Cell migration-inducing gene 1 protein; Suppressor of K(+) transport growth defect 1; Protein SKD1; SKD1; VPS42; MIG1; anti-VPS4B antibody

PRODUCT SPECIFICATIONS

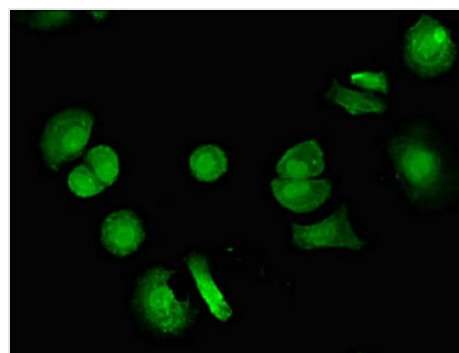
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	444
Applicable Applications for anti-VPS4B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Vacuolar protein sorting-associated protein 4B protein (1-117AA)
Conjugation	Non-conjugated
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



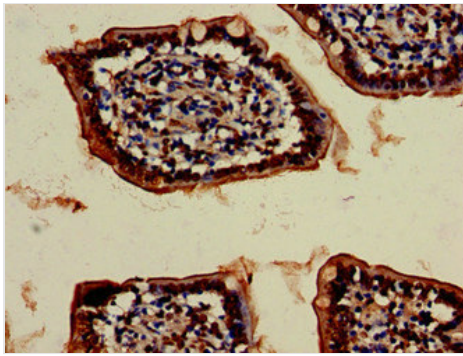
WB (Western Blot)

Western Blot Positive WB detected in: Mouse heart tissue, Mouse brain tissue. All lanes: VPS4B antibody at 2.5 µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 50 kDa. Observed band size: 50 kDa.



IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA233312 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA233312 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-VPS4B antibody	Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17865802
NCBI GeneID	9525
NCBI Accession #	NP_004860.2
NCBI GenBank Nucleotide #	NM_004869.3
UniProt Accession #	O75351; Q69HW4; Q9GZS7
Molecular Weight	49,302 Da
NCBI Official Full Name	vacuolar protein sorting-associated protein 4B
NCBI Official Synonym Full Names	vacuolar protein sorting 4 homolog B
NCBI Official Symbol	VPS4B
NCBI Official Synonym Symbols	MIG1; SKD1; SKD1B; VPS4-2
NCBI Protein Information	vacuolar protein sorting-associated protein 4B
UniProt Protein Name	Vacuolar protein sorting-associated protein 4B
UniProt Gene Name	VPS4B
UniProt Synonym Gene Names	SKD1; VPS42; Protein SKD1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.