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Datasheet for ABIN7175319
anti-VPS4A antibody (AA 1-120)

3 Images

Overview

Quantity:	100 µL
Target:	VPS4A
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Vacuolar protein sorting-associated protein 4A protein (1-120AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen Affinity Purified

Target Details

Target:	VPS4A
Alternative Name:	VPS4A (VPS4A Products)
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

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). Involved in cytokinesis: retained at the midbody by ZFYVE19/ANCHR and CHMP4C until abscission checkpoint signaling is terminated at late cytokinesis. It is then released following dephosphorylation of CHMP4C, leading to abscission (PubMed:24814515). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).

Aliases: hVPS4 antibody, Protein SKD2 antibody, SKD1 antibody, SKD1 homolog antibody, SKD1A antibody, SKD2 antibody, Vacuolar protein sorting 4 homolog A antibody, Vacuolar protein sorting 4, yeast, homolog of, A antibody, Vacuolar protein sorting factor 4A antibody, Vacuolar protein sorting-associated protein 4A antibody, vacuolar sorting protein 4 antibody, VPS4 antibody, VPS4-1 antibody, Vps4a antibody, VPS4A_HUMAN antibody

UniProt: [Q9UN37](#)

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

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

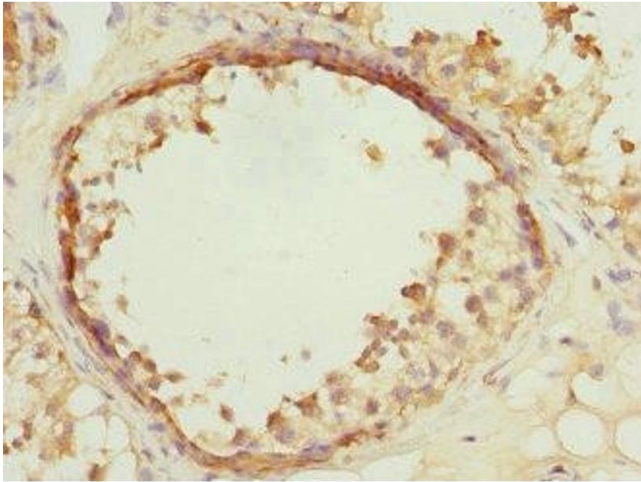
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

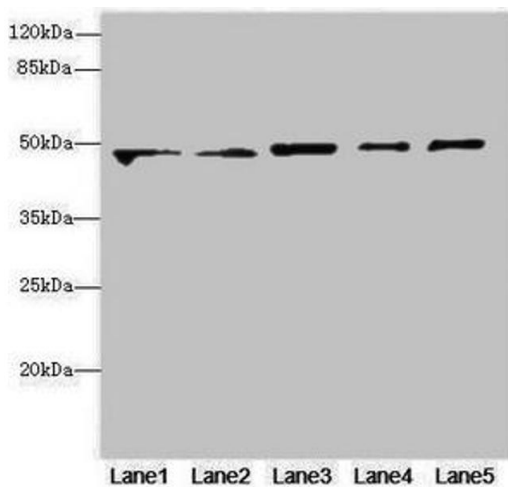
Storage: -20 °C,-80 °C

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



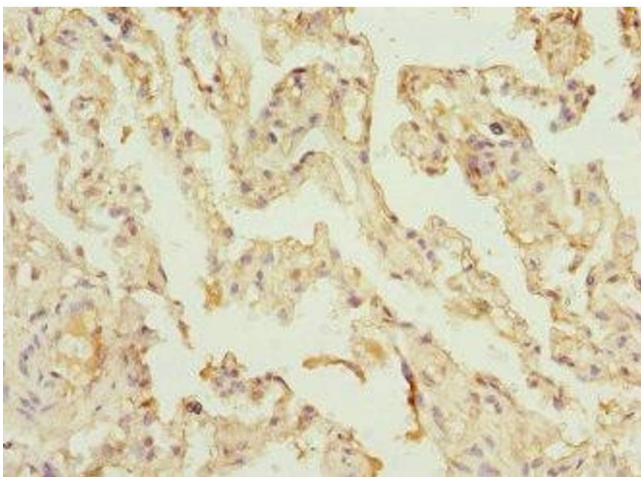
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7175319 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: VPS4A antibody at 4.28 μ g/mL Lane 1: Mouse kidney tissue Lane 2: Rat gonadal tissue Lane 3: Mouse brain tissue Lane 4: U87 whole cell lysate Lane 5: MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 49 kDa Observed band size: 49 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7175319 at dilution of 1:100