



[Go to Product page](#)

Datasheet for ABIN2785950

anti-VPS4A antibody (N-Term)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	VPS4A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS4A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VPS4A
Sequence:	YFLHAIKYEA HSDKAKESIR AKCVQYLDRA EKLKDYLRSEK EKHGKPKVKE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against VPS4A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	VPS4A
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Target Details

Alternative Name: VPS4A ([VPS4A Products](#))

Background: VPS4A is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. The mouse Skd1 (suppressor of K⁺ transport defect 1) has been shown to be really an yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 16, the gene for the other resides on chromosome 18. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: FLJ22197, SKD1, SKD2, VPS4, VPS4-1, SKD1A

Protein Interaction Partner: FBXO6, UBC, CFTR, KCND3, CHMP4B, CHMP1B, CHMP4A, CHMP2A, VPS4A, CHMP1A, CHMP4C, gag, VTA1, CHMP3, CHMP5, HGS, NPC1, BABAM1, VPS4B, RND2,

Protein Size: 437

Molecular Weight: 49 kDa

Gene ID: 27183

NCBI Accession: [NM_013245](#), [NP_037377](#)

UniProt: [Q9UN37](#)

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

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 437 AA

Restrictions: For Research Use only

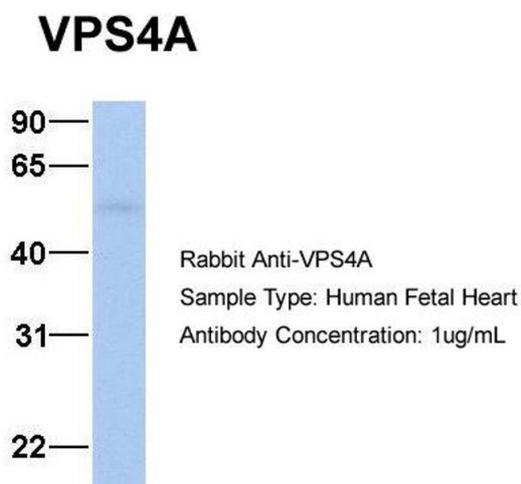
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Stutchbury, Al-Ejeh, Stillfried, Croucher, Andrews, Irving, Links, Ranson: "Preclinical evaluation of 213Bi-labeled plasminogen activator inhibitor type 2 in an orthotopic murine xenogenic model of human breast carcinoma." in: Molecular cancer therapeutics , Vol. 6, Issue 1, pp. 203-12, (2007) (PubMed).
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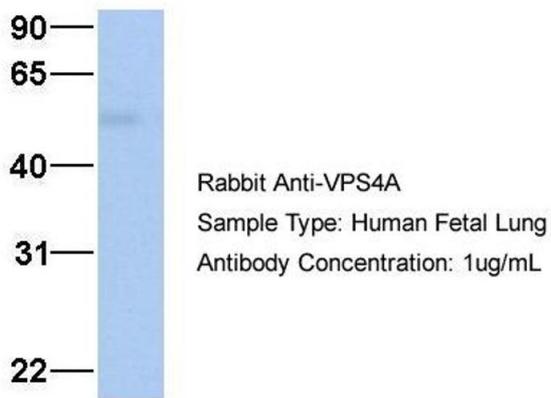
Images



Western Blotting

Image 1. Host: Rabbit Target Name: VPS4A Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml

VPS4A



Western Blotting

Image 2. Host: Rabbit Target Name: VPS4A Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. WB Suggested Anti-VPS4A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle