

Datasheet for ABIN2787317
anti-VPS52 antibody (Middle Region)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	VPS52
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS52 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human VPS52
Sequence:	RYWEQVLALL WPRFELILEM NVQSVRSTDP QRLGGLDTRP HYITRRYAEF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against VPS52. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	VPS52
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Target Details

Alternative Name:	VPS52 (VPS52 Products)
Background:	<p>This gene encodes a protein that is similar to the yeast suppressor of actin mutations 2 gene. The yeast protein forms a subunit of the tetrameric Golgi-associated retrograde protein complex that is involved in vesicle trafficking from from both early and late endosomes, back to the trans-Golgi network. This gene is located on chromosome 6 in a head-to-head orientation with the gene encoding ribosomal protein S18.</p> <p>Alias Symbols: ARE1, DKFZp547I194, RP5-1033B10, SAC2, SACM2L, dJ1033B10.5</p> <p>Protein Interaction Partner: FAM184A, MRPL11, SH2D4A, CCDC146, THAP11, KIAA1217, TBC1D22B, HEATR1, C1orf109, METTL13, ATP6V1D, VPS28, KANK2, TXN2, RNF41, EPM2AIP1, WTAP, USP2, STX11, LMO4, TRAF6, TPM3, TEAD4, RAB4A, PRKAA2, PRKAA1, NOP2, NFKBIB, MFAP1, KIF5B, GOLGA1, DDX6, AAMP, TXLN</p> <p>Protein Size: 723</p>
Molecular Weight:	82 kDa
Gene ID:	6293
NCBI Accession:	NM_022553 , NP_072047
UniProt:	Q8N1B4

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 723 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.

Handling

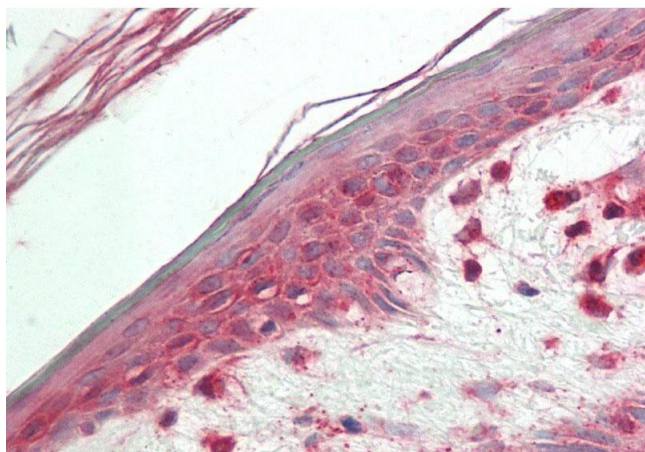
Storage: -20 °C

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

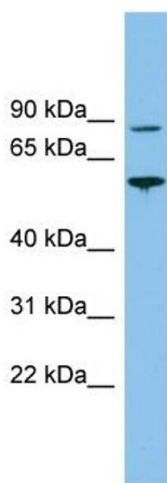
Product cited in: Zhang, Yao, Yu, Ni, Zhang, Wang, Lai: "Effects of 1.8 GHz radiofrequency radiation on protein expression in human lens epithelial cells." in: **Human & experimental toxicology**, Vol. 32, Issue 8, pp. 797-806, (2013) ([PubMed](#)).

Validation report #103662 for Western Blotting (WB)



Immunohistochemistry

Image 1. Rabbit Anti-VPS52 antibody Catalog Number: ARP57644 Formalin Fixed Paraffin Embedded Tissue: Human Skin Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec



Western Blotting

Image 2. WB Suggested Anti-VPS52 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: MCF7 cell lysate VPS52 is supported by BioGPS gene expression data to be expressed in MCF7