

Datasheet for ABIN2776154
anti-VDAC2 antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	VDAC2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VDAC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VDAC2
Sequence:	MATHGQTCAR PMCIPPSYAD LGKAARDIFN KGFGFGLVKL DVKTKSCSGV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 79%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against VDAC2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	VDAC2
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Target Details

Alternative Name:	VDAC2 (VDAC2 Products)
Background:	<p>VDAC2 forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules. The channel adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective.</p> <p>Alias Symbols: RP11-375G3.1, FLJ23841, POR</p> <p>Protein Interaction Partner: MDM2, ADRB2, FBXO6, PARK2, PHKG2, PHB, VCAM1, UBC, ITGA4, FN1, ATF2, env, MDC1, ECT2, ACAA2, TRAP1, ATP6V1F, VDAC3, VDAC1, UBE2L3, UBA52, SSBP1, SCP2, RPN1, MPV17, RPSA, HNRNPU, FLOT2, ELAVL1, DDOST, APP, Htt, ZNF454, SFXN3, THOC6, SUGP1, SEPT11, ZFR, ATP</p> <p>Protein Size: 294</p>
Molecular Weight:	32 kDa
Gene ID:	7417
NCBI Accession:	NM_003375 , NP_003366

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 294 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

Handling

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: Sakamaki, Ishii, Sakata, Takemoto, Takagi, Takeuchi, Morishita, Takahashi, Nozawa, Shinoda, Chiba, Sugimoto, Saito, Tamate, Satou, Jung, Matsuoka, Koyamada, Sawasaki, Nagai, Ueno: "Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell shrinkage." in: **Biochimica et biophysica acta**, Vol. 1863, Issue 11, pp. 2766-2783, (2016) ([PubMed](#)).

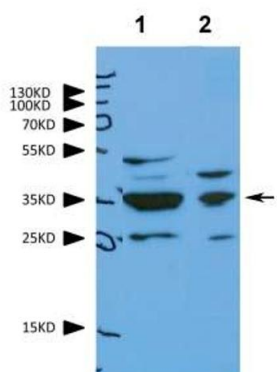
Images



Western Blotting

Image 1. WB Suggested Anti-VDAC2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T VDAC2 is supported by BioGPS gene expression data to be expressed in HEK293T

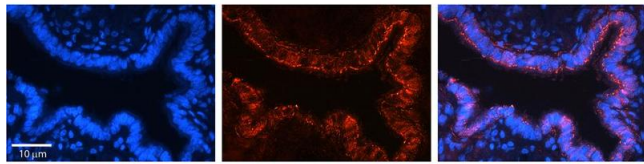
VDAC2



Western Blotting

Image 2. WB Suggested Anti-VDAC2 Antibody Titration: 1.6 ug/ml Positive Control: human cell lines

See Immunoblot 2 Data and Customer Feedback tab for more information.



Immunohistochemistry

Image 3. Rabbit Anti-VDAC2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec