

Datasheet for ABIN2781513
anti-ABCC9 antibody (Middle Region)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	ABCC9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCC9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ABCC9
Sequence:	AVVTEGGENF SVGQRQLFCL ARAFVRKSSI LIMDEATASI DMATENILQK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 86%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against ABCC9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ABCC9
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Target Details

Alternative Name:	ABCC9 (ABCC9 Products)
Background:	<p>ABCC9 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is thought to form ATP-sensitive potassium channels in cardiac, skeletal, and vascular and non-vascular smooth muscle. Protein structure suggests a role as the drug-binding channel-modulating subunit of the extrapancreatic ATP-sensitive potassium channels. No disease has been associated with this gene thus far. Alternative splicing of this gene results in several products, two of which result from differential usage of two terminal exons and one of which results from exon deletion. The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is thought to form ATP-sensitive potassium channels in cardiac, skeletal, and vascular and non-vascular smooth muscle. Protein structure suggests a role as the drug-binding channel-modulating subunit of the extrapancreatic ATP-sensitive potassium channels. No disease has been associated with this gene thus far. Alternative splicing of this gene results in several products, two of which result from differential usage of two terminal exons and one of which results from exon deletion.</p> <p>Alias Symbols: ABC37, CMD10, FLJ36852, SUR2, ATFB12</p> <p>Protein Interaction Partner: EEF1G, KCNJ11, KCNJ8, STX1A, LDHA,</p> <p>Protein Size: 1549</p>
Molecular Weight:	174 kDa
Gene ID:	10060
NCBI Accession:	NM_005691 , NP_005682
UniProt:	O60706

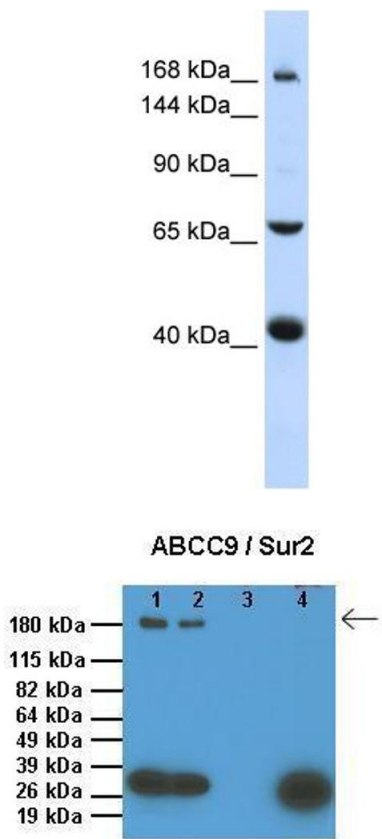
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1549 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.

Images



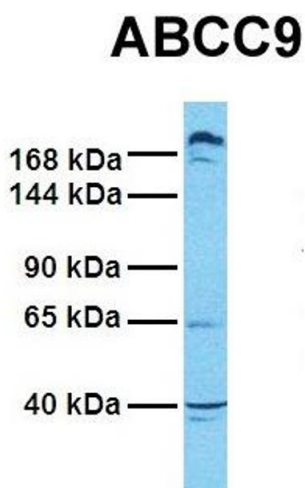
Western Blotting

Image 1. WB Suggested Anti-ABCC9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 721_B cell lysate ABCC9 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Western Blotting

Image 2. Lanes: 1: 10ug SUR1 KO mouse ventricle lysate, 2: 10ug WT mouse ventricle lysate, 3: 0.1ug SUR1 overexpressing mouse ventricle lysate, 4: 10ug canine ventricle lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-rabbit HRP Secondary Antibody Dilution: 1:2000 Gene Name: ABCC9 Submitted by: Haixia Zhang

See Immunoblot 2 Data and customer Feedback for more Information



Western Blotting

Image 3. Host: Rabbit Target Name: ABCC9 Sample Tissue:
Human PANC1 Antibody Dilution: 1.0ug/ml