

ABCC9 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18353c**Specification**

ABCC9 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O60706
Other Accession	NP_005682.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	174223
Antigen Region	640-669

ABCC9 Antibody (Center) - Additional Information**Gene ID** 10060**Other Names**

ATP-binding cassette sub-family C member 9, Sulfonylurea receptor 2, ABCC9, SUR2

Target/Specificity

This ABCC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 640-669 amino acids from the Central region of human ABCC9.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ABCC9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCC9 Antibody (Center) - Protein Information**Name** ABCC9**Synonyms** SUR2 {ECO:0000303|PubMed:31575858}

Function Subunit of ATP-sensitive potassium channels (KATP). Can form cardiac and smooth muscle-type KATP channels with KCNJ11. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation (PubMed:[9831708](#)). Can form a sulfonylurea-sensitive but ATP-insensitive potassium channel with KCNJ8 (By similarity).

Cellular Location

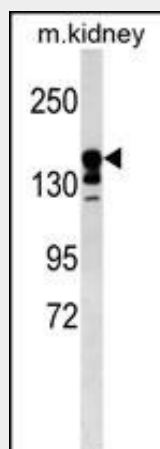
Membrane {ECO:0000255|PROSITE-ProRule:PRU00441}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00441}

ABCC9 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ABCC9 Antibody (Center) - Images



ABCC9 Antibody (Center) (Cat. #AP18353c) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the ABCC9 Antibody detected the ABCC9 protein (arrow).

ABCC9 Antibody (Center) - Background

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.

ABCC9 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010)
Ellis, J.A., et al. Physiol. Genomics 40(3):184-188(2010)
Kim, S.J., et al. Biochem. Biophys. Res. Commun. 391(1):974-978(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)