



## Rabbit Anti-ABCC9 antibody

SL8668R

<b>Product Name:</b>	ABCC9
<b>Chinese Name:</b>	ATP结合盒转运家族蛋白9抗体
<b>Alias:</b>	ABC37; abcC9; ABCC9_HUMAN; AI414027; AI449286; ATFB12; ATP-binding cassette sub-family C member 9; ATP-binding cassette transporter sub-family C member 9; ATP-binding cassette, sub-family C (CFTR/MRP), member 9; CANTU; CMD10; FLJ36852; Sulfonylurea receptor 2; Sulfonylurea-binding protein 2; SUR2; SUR2A; SUR2B.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	174kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ABCC9:501-600/1549<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 extra-pancreatic ATP-sensitive potassium channels. Mutations in this gene are associated with cardiomyopathy dilated type 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2011]

**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.

**Subcellular Location:**

Membrane.

**DISEASE:**

Defects in ABCC9 are the cause of cardiomyopathy dilated type 10 (CMD10) [MIM:608569]; also known as dilated cardiomyopathy with ventricular tachycardia. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

Defects in ABCC9 are the cause of familial atrial fibrillation type 12 (ATFB12) [MIM:614050]. ATFB12 is a familial form of atrial fibrillation, a common sustained cardiac rhythm disturbance. Atrial fibrillation is characterized by disorganized atrial electrical activity and ineffective atrial contraction promoting blood stasis in the atria and reduces ventricular filling. It can result in palpitations, syncope, thromboembolic stroke, and congestive heart failure.

**Similarity:**

Belongs to the ABC transporter superfamily.

ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily.

Contains 2 ABC transmembrane type-1 domains.

Contains 2 ABC transporter domains.

**SWISS:**

O60706

**Gene ID:**

10060

**Database links:**

[Entrez Gene: 10060](#) Human

[Entrez Gene: 20928](#) Mouse

[Entrez Gene: 100008700](#) Rabbit

[Entrez Gene: 25560](#) Rat

[Omim: 601439](#) Human

[SwissProt: O60706](#) Human

[SwissProt: P70170](#) Mouse

[SwissProt: P82451](#) Rabbit

[SwissProt: Q63563](#) Rat

[Unigene: 446050](#) Human

[Unigene: 732701](#) Human

[Unigene: 35670](#) Mouse

[Unigene: 395475](#) Mouse

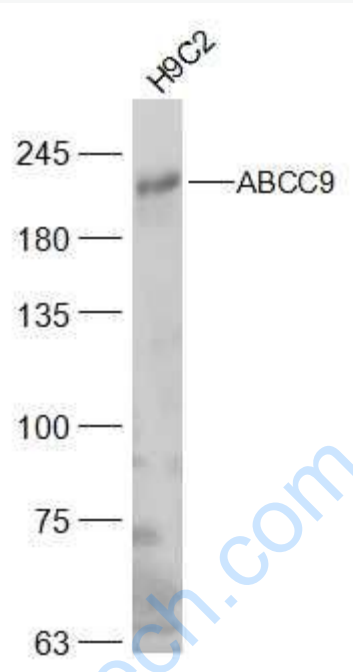
[Unigene: 10528](#) Rat

[Unigene: 164431](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Eye (Mouse) Lysate at 40 ug

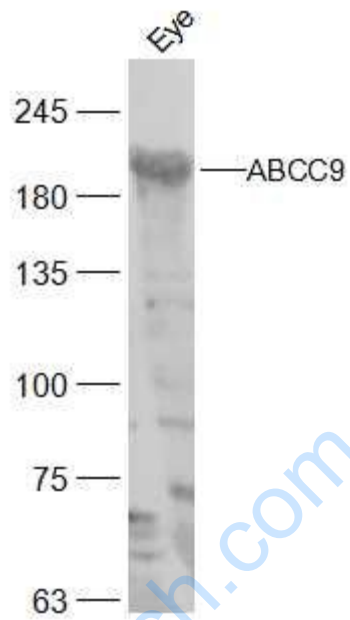
H9C2 (Rat) Lysate at 30 ug

Primary: Anti-ABCC9 (SL8668R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 194 kD

Observed band size: 204 kD



Sample:

Eye (Mouse) Lysate at 40 ug

Primary: Anti-ABCC9 (SL8668R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 194 kD

Observed band size: 194 kD