

Anti-SUR1 Picoband Antibody
Catalog # ABO12898**Specification**

Anti-SUR1 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q09428
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for SUR1 detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-SUR1 Picoband Antibody - Additional Information

Gene ID 6833

Other Names

ATP-binding cassette sub-family C member 8, Sulfonylurea receptor 1, ABCC8, HRINS, SUR, SUR1

Application Details

Western blot, 0.1-0.5 µg/ml

Subcellular Localization

Cell membrane.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence of human SUR1 (TIQREGTLKDFQRSECQLFEHWKTLMNRRQDQELEKETVTERKA).

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C; for one year. After r°Constitution, at 4°C; for one month. It°Can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and thawing.

Anti-SUR1 Picoband Antibody - Protein Information

Name ABCC8

Synonyms HRINS, SUR, SUR1

Function

Subunit of the beta-cell ATP-sensitive potassium channel (KATP). Regulator of ATP-sensitive K(+) channels and insulin release.

Cellular Location

Cell membrane; Multi-pass membrane protein

Anti-SUR1 Picoband Antibody - 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](#)

Anti-SUR1 Picoband Antibody - Images

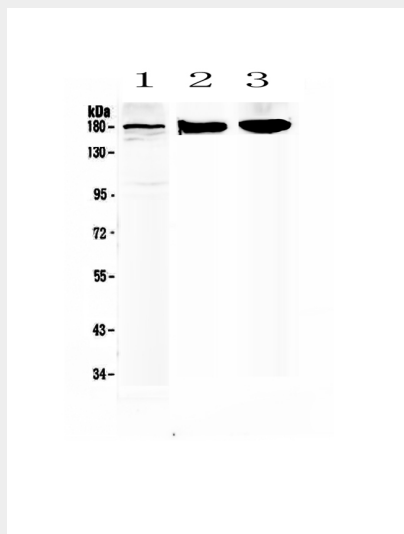


Figure 1. Western blot analysis of SUR1 using anti-SUR1 antibody (ABO12898).

Anti-SUR1 Picoband Antibody - Background

ATP-binding cassette transporter sub-family C member 8 is a protein that in humans is encoded by the ABCC8 gene. 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 functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations and deficiencies in this protein have been observed in patients with

hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion. Alternatively spliced transcript variants have been found for this gene.