

Datasheet for ABIN7600529  
**anti-SLC25A29 antibody (AA 20-242)**



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## Overview

Quantity:	100 µg
Target:	SLC25A29
Binding Specificity:	AA 20-242
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A29 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Anti-SLC25A29 Antibody Picoband®
Immunogen:	E.coli-derived human SLC25A29 recombinant protein (Position: H20-E242).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLC25A29 Antibody Picoband® (ABIN7600529). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	SLC25A29
Alternative Name:	SLC25A29 ( <a href="#">SLC25A29 Products</a> )
Background:	<p>Synonyms: Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A, TMEM166, SP24</p> <p>Tissue Specificity: Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.</p> <p>Background: Solute carrier family 25, member 29 is a protein that in humans is encoded by the SLC25A29 gene. This gene encodes a nuclear-encoded mitochondrial protein that is a member of the large family of solute carrier family 25 (SLC25) mitochondrial transporters. The members of this superfamily are involved in numerous metabolic pathways and cell functions. This gene product was previously reported to be a mitochondrial carnitine-acylcarnitine-like (CACL) translocase (PMID:128829710) or an ornithine transporter (designated ORNT3, PMID:19287344), however, a recent study characterized the main role of this protein as a mitochondrial transporter of basic amino acids, with a preference for arginine and lysine (PMID:24652292). Alternatively spliced transcript variants have been found for this gene.</p>
Molecular Weight:	35 kDa
Gene ID:	123096
UniProt:	<a href="#">Q8N8R3</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Camacho, J. A., Rioseco-Camacho, N. The human and mouse SLC25A29 mitochondrial transporters rescue the deficient ornithine metabolism in fibroblasts of patients with the hyperornithinemia-hyperammonemia-homocitrullinuria (HHH) syndrome. <i>Pediat. Res.</i> 66: 35-41, 2009. 2. Sekoguchi, E., Sato, N., Yasui, A., Fukada, S., Nimura, Y., Aburatani, H., Ikeda, K., Matsuura, A. A novel mitochondrial carnitine-acylcarnitine translocase induced by partial hepatectomy and fasting. <i>J. Biol. Chem.</i> 278: 38796-38802, 2003.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
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## Handling

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Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.