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Datasheet for ABIN7170184  
**anti-SLC25A33 antibody (AA 66-120) (Biotin)**

## Overview

Quantity:	100 µg
Target:	SLC25A33
Binding Specificity:	AA 66-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A33 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Solute carrier family 25 member 33 protein (66-120AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	SLC25A33
Alternative Name:	SLC25A33 ( <a href="#">SLC25A33 Products</a> )
Background:	Background: Mitochondrial transporter that imports/exports pyrimidine nucleotides into and from mitochondria (PubMed:25320081). Transports preferentially uracil, thymine, and cytosine

## Target Details

(deoxy)nucleoside di- and triphosphates by an antiport mechanism (PubMed:25320081). Also transports guanine but not adenine (deoxy)nucleotides (PubMed:25320081). Is inhibited strongly by pyridoxal 5'-phosphate, 4,7-diphenyl-1,10-phenanthroline, tannic acid, and mercurials (mercury dichloride, mersalyl acid, p-hydroxymercuribenzoate) (PubMed:25320081). Participates in mitochondrial genome maintenance, regulation of mitochondrial membrane potential and mitochondrial respiration (PubMed:20453889). Upon INS or IGF1 stimulation regulates cell growth and proliferation by controlling mitochondrial DNA replication and transcription, the ratio of mitochondria-to nuclear-encoded components of the electron transport chain resulting in control of mitochondrial ROS production (PubMed:20453889, PubMed:17596519). Participates in dendritic cell endocytosis and may associate with mitochondrial oxidative phosphorylation (PubMed:14715278).

Aliases: BMSC MCP antibody, BMSC-MCP antibody, Bone marrow stromal cell mitochondrial carrier protein antibody, HuBMSC MCP antibody, HuBMSC-MCP antibody, MGC4399 antibody, Mitochondrial carrier protein antibody, Novel mitochondrial carrier protein antibody, PNC1 protein antibody, Protein PNC1 antibody, S2533\_HUMAN antibody, Slc25a33 antibody, Solute carrier family 25 member 33 antibody

UniProt: [Q9BSK2](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.