

# [KO Validated] SLC25A4/ANT1 Rabbit pAb

Catalog No.: A1882 **KO Validated** **1 Publications**

## Basic Information

### Observed MW

33kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external ophthalmoplegia and familial hypertrophic cardiomyopathy.

## Recommended Dilutions

|               |                |
|---------------|----------------|
| <b>WB</b>     | 1:500 - 1:1000 |
| <b>IF/ICC</b> | 1:50 - 1:200   |

## Immunogen Information

### Gene ID

291

### Swiss Prot

P12235

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 101-200 of human SLC25A4/ANT1 (NP\_001142.2).

### Synonyms

T1; ANT; AAC1; ANT1; PEO2; PEO3; ANT 1; PEOA2; MTDPS12; MTDPS12A

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

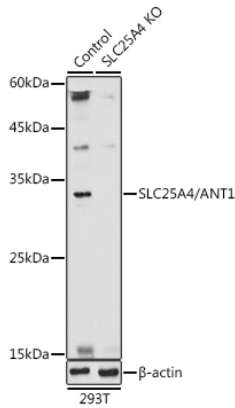
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts from normal (control) and SLC25A4/ANT1 knockout (KO) 293T cells, using SLC25A4/ANT1 antibody (A1882) at 1:1000 dilution.

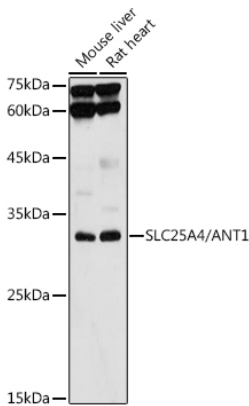
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of extracts of various cell lines, using SLC25A4/ANT1 antibody (A1882) at 1:1000 dilution.

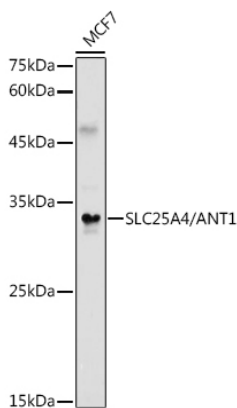
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of extracts of MCF7 cells, using SLC25A4/ANT1 antibody (A1882) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

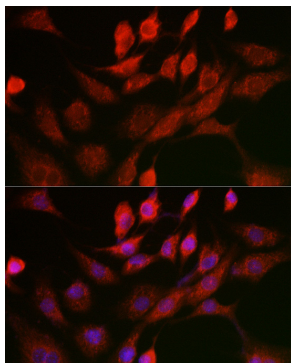
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.

## Validation Data

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Immunofluorescence analysis of NIH/3T3 cells using SLC25A4/ANT1 Rabbit pAb (A1882) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.