

[KO Validated] SLC25A4/ANT1 Rabbit pAb

Catalog No.: A1882SP **KO Validated**

Basic Information

Observed MW

33 kDa

Calculated MW

33 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ELISA

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

WB 1:500 - 1:1000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells

IF/ICC 1:100 - 1:1000

IHC-P 1:3000 - 1:12000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

291

Swiss Prot

P12235

Immunogen

This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

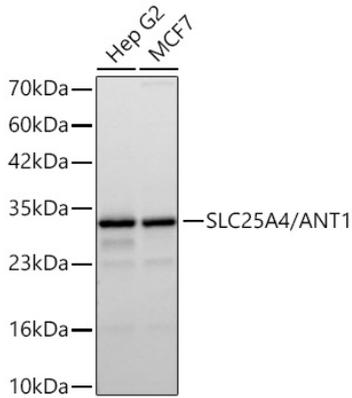
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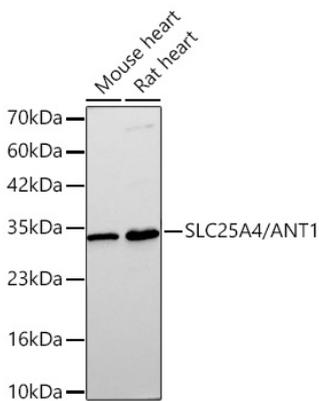
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

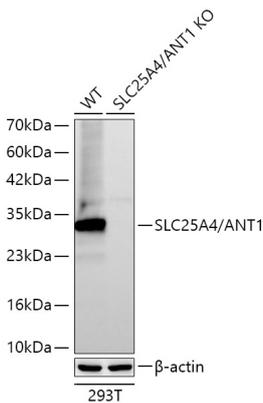
Validation Data



Western blot analysis of various lysates using [KO Validated] SLC25A4/ANT1 Rabbit pAb (A1882SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Western blot analysis of various lysates using [KO Validated] SLC25A4/ANT1 Rabbit pAb (A1882SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Western blot analysis of lysates from wild type (WT) and SLC25A4/ANT1 knockout (KO) 293T cells using [KO Validated] SLC25A4/ANT1 Rabbit pAb (A1882SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.