

# ANT2/SLC25A5 Rabbit mAb

Catalog No.: A23411 **Recombinant**

## Basic Information

### Observed MW

29kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC59133

## 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. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:100 - 1:500
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

292

### Swiss Prot

P05141

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 120-220 of human ANT2/SLC25A5. (NP\_055478.2).

### Synonyms

T2; T3; 2F1; AAC2; ANT2; ANT2/SLC25A5

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

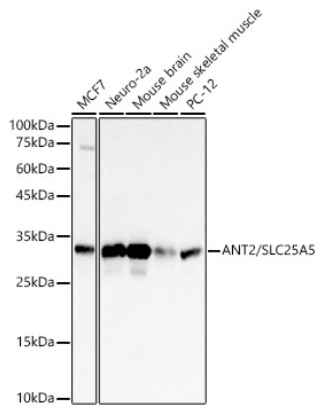
Affinity purification

### Storage

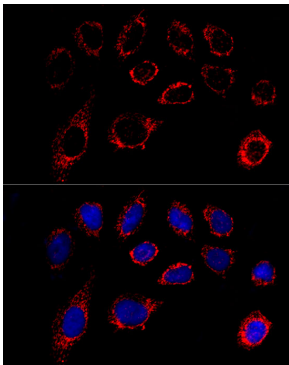
Store at -20°C. Avoid freeze / thaw cycles.

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

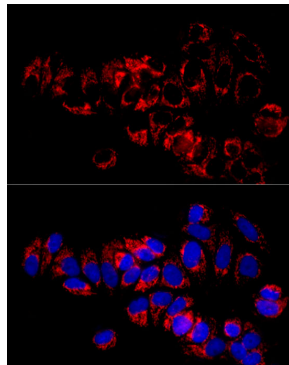
## Validation Data



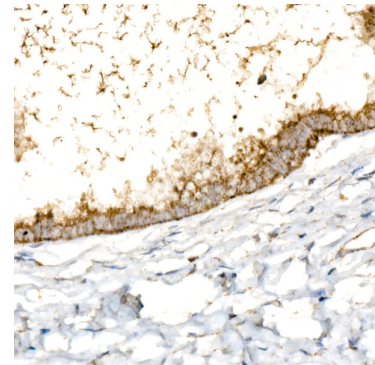
Western blot analysis of various lysates, using ANT2/SLC25A5 Rabbit mAb (A23411) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



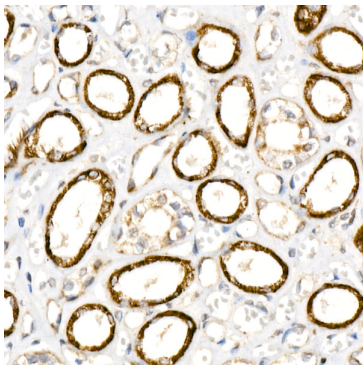
Immunofluorescence analysis of HeLa cells using ANT2/SLC25A5 Rabbit mAb (A23411) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF7 cells using ANT2/SLC25A5 Rabbit mAb (A23411) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human cervix using ANT2/SLC25A5 Rabbit mAb (A23411) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney using ANT2/SLC25A5 Rabbit mAb (A23411) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.