

For Research Use Only

# ANT1/2 Polyclonal antibody

Catalog Number: 15997-1-AP

4 Publications



## Basic Information

### Catalog Number:

15997-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7787

### GenBank Accession Number:

BC008664

### GeneID (NCBI):

291

### Full Name:

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

### Calculated MW:

33 kDa

### Observed MW:

33 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

## Applications

### Tested Applications:

IP, WB, ELISA

### Cited Applications:

CoIP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, pig

### Positive Controls:

WB : human heart tissue, MCF-7 cells, mouse skeletal muscle tissue, mouse brain tissue

IP : mouse heart tissue,

## Background Information

Adenine nucleotide translocators (ANTs) are mitochondrial carrier proteins that exchange ATP and ADP between the cytoplasm and the mitochondrial matrix. Four isoforms of ANT were identified: ANT1 (encoded by SLC25A4) is highly expressed in different tissues; ANT2 (encoded by SLC25A5) is predominantly expressed in proliferating, regenerating, or undifferentiated cells; ANT3 is ubiquitously expressed; ANT4 is mainly expressed in testis and germ cells. This antibody recognizes both of ANT1 and ANT2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaomin Zhao	35863430	J Biol Chem	WB
Xingzhao Ji	37182101	iScience	WB, CoIP
Ji Geng	37040696	Dev Cell	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

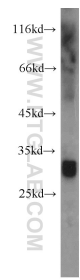
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

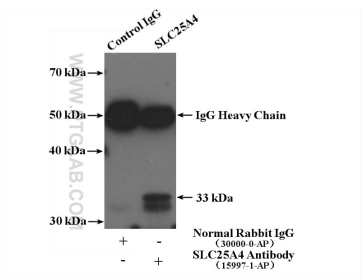
E: proteintech@ptglab.com  
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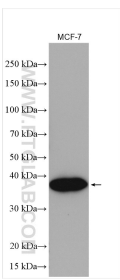
Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 15997-1-AP (ANT1/2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP Result of anti-ANT1/2 (IP:15997-1-AP, 4ug; Detection:15997-1-AP 1:500) with mouse heart tissue lysate 4000ug.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 15997-1-AP (ANT1/2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.