

ANT1/2 Polyclonal ANTIBODY

Catalog Number: 17796-1-AP

2 Publications

Basic Information

Catalog Number:
17796-1-AP

Size:
68 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG11956

GenBank Accession Number:
BC056160

GeneID (NCBI):
292

Full Name:
solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5

Calculated MW:
298aa, 33 kDa

Observed MW:
30-32 kDa

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human,mouse,rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue;

IHC : human kidney 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. The predicted molecular weight of ANT1/2 protein is around 32 kDa. While 60 kDa protein can also be observed, which has been proposed as the dimer of ANT1/2. (22423112)

Notable Publications

Author	Pubmed ID	Journal	Application
Chul-Hee Lee	30225759	Mol Imaging Biol	IHC
Maria Eirini Terzenidou	28376086	PLoS Genet	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

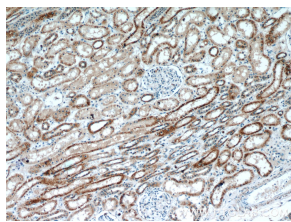
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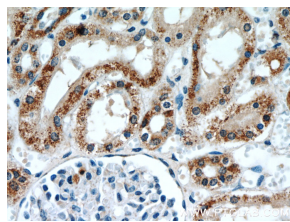
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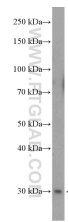
Selected Validation Data



Immunohistochemistry of paraffin-embedded human kidney slide using 17796-1-AP (ANT1/2 Antibody) at dilution of 1:50



Immunohistochemistry of paraffin-embedded human kidney slide using 17796-1-AP (ANT1/2 Antibody) at dilution of 1:50



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17796-1-AP (ANT1/2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours