

For Research Use Only

SLC25A5 Recombinant antibody

Catalog Number: 83104-1-RR



Basic Information

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|--|--|---|
| Catalog Number: 83104-1-RR | GenBank Accession Number: BC056160 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 292 | CloneNo.: 230247B1 |
| Source: Rabbit | UNIPROT ID: P05141 | Recommended Dilutions: WB 1:2000-1:10000 |
| Isotype: IgG | Full Name: solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 | |
| Immunogen Catalog Number: AG11956 | Calculated MW: 298 aa, 33 kDa | |
| | Observed MW: 32 kDa | |

Applications

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|---|---|
| Tested Applications: WB, ELISA | Positive Controls: WB : HepG2 cells, C6 cells, NIH/3T3 cells, COS-7 cells, Neuro-2a cells, rat liver tissue, mouse liver tissue |
| Species Specificity: Human, mouse , rat | |

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)

Storage

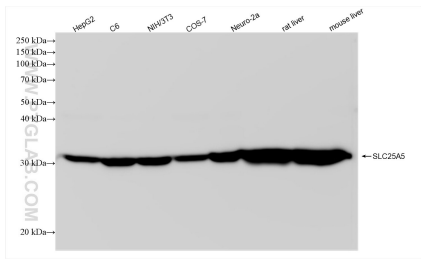
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Various lysates were subjected to SDS PAGE followed by western blot with 83104-1-RR (SLC25A5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.