

For Research Use Only

ANT1/2 Recombinant antibody

Catalog Number: 83104-1-RR



Basic Information

Catalog Number: 83104-1-RR	GenBank Accession Number: BC056160	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/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

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

Storage

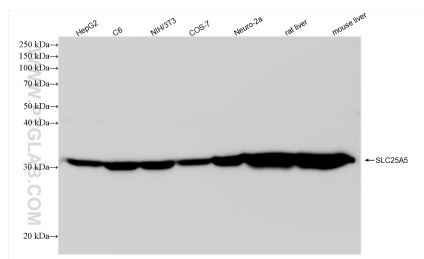
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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.