

For Research Use Only

ANT1/2 Recombinant antibody, PBS Only

Catalog Number: 83104-1-PBS



Basic Information

Catalog Number: 83104-1-PBS	GenBank Accession Number: BC056160	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 292	CloneNo.: 230247B1
Source: Rabbit	UNIPROT ID: P05141	
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, Indirect ELISA

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

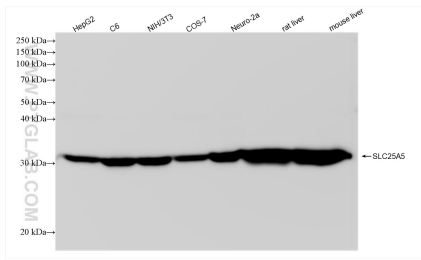
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
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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. This data was developed using the same antibody clone with 83104-1-PBS in a different storage buffer formulation.