

For Research Use Only

SLC25A29 Recombinant monoclonal antibody

Catalog Number: 87551-1-RR



Basic Information

Catalog Number: 87551-1-RR	GenBank Accession Number: BC132966	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 123096	CloneNo.: 252932H6
Isotype: IgG	UNIPROT ID: Q8N8R3	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG24662	Full Name: solute carrier family 25, member 29	
	Calculated MW: 303 aa, 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

SLC25A29 is a mitochondrial transporter belonging to the SLC25 superfamily, which facilitates the exchange of metabolites across the inner mitochondrial membrane. Initially reported as a carnitine/acylcarnitine-like carrier, it is now recognized as a key amino acid transporter, particularly for arginine and lysine, contributing to mitochondrial protein synthesis and amino acid degradation. SLC25A29 is primarily expressed in the heart, brain, liver, and kidneys and is associated with metabolic disorders and vascular diseases. Its expression is regulated by histone lactose modification and is associated with conditions such as lung adenocarcinoma and diabetic retinopathy. (PMID: 24652292; 3775731; 29459713; 40244673)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

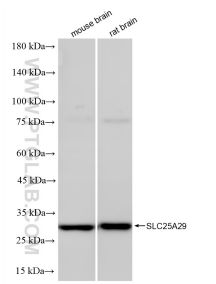
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87551-1-RR (SLC25A29 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.