

For Research Use Only

SLC25A23 Polyclonal antibody, PBS Only

Catalog Number: 20168-1-PBS



Basic Information

Catalog Number:

20168-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13987

GenBank Accession Number:

BC001656

GeneID (NCBI):

79085

UNIPROT ID:

Q9BV35

Full Name:

solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23

Calculated MW:

468 aa, 52 kDa

Observed MW:

49-54 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

SLC25A23 gene encodes a 468 amino acids polypeptide, named SCaMC-3, with a bipartite structure typical of calcium-binding mitochondrial solute carrier (CaMSC) proteins. The amino-terminal portion harbors three canonical EF-hand calcium-binding domains while the carboxyl-terminal portion of SCaMC-3 has the characteristic features of the mitochondrial solute carrier (MSC) superfamily. Northern blot analysis reveals the presence of the transcript in brain, heart, skeletal muscle, liver and small intestine. The SLC25A23 gene undergoes alternative splicing suggesting a modular nature of the encoded product. Three out of four putative protein isoforms lack a significant portion of the third mitochondrial carrier signature. The most common SCaMC-3 isoform shows a mitochondrial subcellular localization when transfected in HeLa cells and is able to bind calcium by Ca²⁺ dependent mobility shift assays. (PMID: 15716113)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

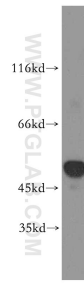
For technical support and original validation data for this product please contact:

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Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 20168-1-AP (SLC25A23 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20168-1-PBS in a different storage buffer formulation.