10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC25A35 Rabbit pAb

SLC25A35 Rabbit pAb
Catalog # AP57939

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q3KQZ1
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32438
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC25A35
Epitope Specificity	101-200/300
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Mitochondrion inner membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC25A35 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	399512
Other Names	Solute carrier family 25 member 35, SLC25A35
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC25A35 {ECO:0000303|PubMed:18682385}
Function	Mediates phosphoenolpyruvate (PEP) efflux across the inner membrane of mitochondria as part of glyceroneogenesis pathway in the liver and adipose tissue. Transports PEP generated via the mitochondrial PC- and PCK2-dependent pyruvate-to-PEP bypass, thereby driving PEP flux required

	for cytosolic glycerol 3-phosphate and triglyceride synthesis. Controls INS-induced glycerolipid synthesis in adipocytes (By similarity). Most likely operates as an antiporter that exchanges monocarboxylates such as PEP and possibly dicarboxylates and sulfur oxoanions across the inner membrane of mitochondria. PEP transport is gated by mitochondrial membrane potential, although the precise transport mechanism has yet to be fully elucidated (By similarity) (PubMed:18682385).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q5SWT3}; Multi-pass membrane protein

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.