

SLC25A39 Rabbit pAb

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Catalog # AP57940

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BZJ4
Predicted	Rat, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39249
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC25A39
Epitope Specificity	71-170/359
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC25A39 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	51629
Other Names	Mitochondrial glutathione transporter SLC25A39, Solute carrier family 25 member 39, SLC25A39 {ECO:0000303 PubMed:34707288, ECO:0000312 HGNC:HGNC:24279}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	SLC25A39 {ECO:0000303 PubMed:34707288, ECO:0000312 HGNC:HGNC:24279}
Function	Mitochondrial transporter required for glutathione import into mitochondria (PubMed: 34707288 , PubMed: 35513392 , PubMed: 37917749 ,

PubMed:[38157846](#)). Glutathione, which plays key roles in oxidative metabolism, is produced exclusively in the cytosol and is imported in many organelles (PubMed:[34707288](#)). Mitochondrial glutathione is required for the activity and stability of proteins containing iron- sulfur clusters, as well as erythropoiesis (PubMed:[34707288](#)).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

Expressed in many tissues (PubMed:11139402). Abundant in testis and kidney (PubMed:11139402)

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