

SLC25A40 Rabbit pAb

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Catalog # AP57941

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TBP6
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38125
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC25A40
Epitope Specificity	51-150/338
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 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC25A40 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	55972
Other Names	Mitochondrial glutathione transporter SLC25A40, Mitochondrial carrier family protein {ECO:0000303 Ref.1}, Solute carrier family 25 member 40, SLC25A40 {ECO:0000303 PubMed:16949250, ECO:0000312 HGNC:HGNC:29680}
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	SLC25A40 {ECO:0000303 PubMed:16949250, ECO:0000312 HGNC:HGNC:29680}
Function	Probable mitochondrial transporter required for glutathione import into

mitochondria (PubMed:[34707288](#)). 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 (By similarity).

Cellular Location

Mitochondrion inner membrane {ECO:0000250 | UniProtKB:Q9BZJ4};
Multi-pass membrane protein

Background

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