

SLC25A11 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51792

Specification

SLC25A11 Antibody - Product Information

Application	WB, E
Primary Accession	O02978
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20 KDa

SLC25A11 Antibody - Additional Information

Gene ID 8402

Other Names

Mitochondrial 2-oxoglutarate/malate carrier protein, OGCP, Solute carrier family 25 member 11, SLC25A11, SLC20A4

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

SLC25A11 Antibody - Protein Information

Name SLC25A11

Synonyms SLC20A4

Function

Catalyzes the transport of 2-oxoglutarate (alpha- oxoglutarate) across the inner mitochondrial membrane in an electroneutral exchange for malate. Can also exchange 2-oxoglutarate for other dicarboxylic acids such as malonate, succinate, maleate and oxaloacetate, although with lower affinity. Contributes to several metabolic processes, including the malate-aspartate shuttle, the oxoglutarate/isocitrate shuttle, in gluconeogenesis from lactate, and in nitrogen metabolism (By similarity). Maintains mitochondrial fusion and fission events, and the organization and morphology of cristae (PubMed: <http://www.uniprot.org/citations/21448454> target="_blank">21448454). Involved in the regulation of apoptosis (By similarity). Helps protect from cytotoxic-induced apoptosis by modulating glutathione levels in mitochondria (By similarity).

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:P97700}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P97700}

Tissue Location

Most highly expressed in the heart.

SLC25A11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC25A11 Antibody - Images**SLC25A11 Antibody - Background**

Catalyzes the transport of 2-oxoglutarate across the inner mitochondrial membrane in an electroneutral exchange for malate or other dicarboxylic acids, and plays an important role in several metabolic processes, including the malate-aspartate shuttle, the oxoglutarate/isocitrate shuttle, in gluconeogenesis from lactate, and in nitrogen metabolism.

SLC25A11 Antibody - References

Iacobazzi V., et al. DNA Seq. 3:79-88(1992).
Yu W., et al. Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.
Zody M.C., et al. Nature 440:1045-1049(2006).
Bienvenut W.V., et al. Submitted (JUN-2005) to UniProtKB.
Gauci S., et al. Anal. Chem. 81:4493-4501(2009).