

SLC25A30 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16485c**Specification**

SLC25A30 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q5SVS4](#)**SLC25A30 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 253512**Other Names**

Kidney mitochondrial carrier protein 1, Solute carrier family 25 member 30, SLC25A30, KMCP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC25A30 Antibody (Center) Blocking Peptide - Protein Information**Name** SLC25A30 ([HGNC:27371](#))**Function**

Antiporter that transports inorganic anions (sulfate, sulfite, thiosulfate and phosphate) and, to a lesser extent, a variety of dicarboxylates (e.g. malonate, malate and citramalate) and, even more so, aspartate (PubMed:31356773). The sulfate/sulfate exchange is much higher than the phosphate/phosphate and malate/malate exchanges (PubMed:31356773). The transport affinities is higher for sulfate and thiosulfate than for any other substrate (PubMed:31356773). May catalyze the export of sulfite and thiosulfate (the hydrogen sulfide degradation products) from the mitochondria, thereby modulating the level of the hydrogen sulfide (Probable). Also may mediate a very low unidirectional transport of sulfate, phosphate and (S)-malate (PubMed:31356773).

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9CR58}; Multi-pass membrane protein

SLC25A30 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC25A30 Antibody (Center) Blocking Peptide - Images

SLC25A30 Antibody (Center) Blocking Peptide - Background

Although the outer mitochondrial membrane is permeable to many small metabolites, transport of solutes across the inner mitochondrial membrane is achieved by members of the mitochondrial carrier protein family, such as SLC25A30 (Haguenauer et al., 2005[PubMed 15809292]).

SLC25A30 Antibody (Center) Blocking Peptide - References

Haguenauer, A., et al. J. Biol. Chem. 280(23):22036-22043(2005)