



## Rabbit Anti-SLC25A3 antibody

SL19814R

<b>Product Name:</b>	SLC25A3
<b>Chinese Name:</b>	溶质载体家族蛋白25成员A3抗体
<b>Alias:</b>	mitochondrial; Mitochondrial phosphate carrier protein; MPCP_HUMAN; OK/SW cl.48; PHC; Phosphate carrier protein; Phosphate carrier protein mitochondrial; Phosphate carrier protein mitochondrial precursor; Phosphate transport protein; PTP; Slc25a3; Solute carrier family 25 member 3; Solute carrier family 25 mitochondrial carrier phosphate carrier member 3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	35kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLC25A3:51-150/362
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene catalyzes the transport of phosphate into the mitochondrial matrix, either by proton cotransport or in exchange for hydroxyl ions. The protein contains three related segments arranged in tandem which are related to

those found in other characterized members of the mitochondrial carrier family. Both the N-terminal and C-terminal regions of this protein protrude toward the cytosol. Multiple alternatively spliced transcript variants have been isolated. [provided by RefSeq, Jul 2008]

**Function:**

Transport of phosphate groups from the cytosol to the mitochondrial matrix. Phosphate is cotransported with H(+).

**Subunit:**

Interacts with PPIF; the interaction is impaired by CsA.

**Subcellular Location:**

Mitochondrion inner membrane.

**DISEASE:**

Mitochondrial phosphate carrier deficiency (MPCD)

**Similarity:**

Belongs to the mitochondrial carrier family.  
Contains 3 Solcar repeats.

**SWISS:**

Q00325

**Gene ID:**

5250

**Database links:**

[Entrez Gene: 5250](#) Human

[Omim: 600370](#) Human

[SwissProt: Q00325](#) Human

[Unigene: 290404](#) Human

**Important Note:**

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