

SLC25A24 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57934

Specification

SLC25A24 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6NUK1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53354

SLC25A24 Polyclonal Antibody - Additional Information

Gene ID 29957

Other Names

Calcium-binding mitochondrial carrier protein SCaMC-1, Mitochondrial ATP-Mg/Pi carrier protein 1, Mitochondrial Ca(2+)-dependent solute carrier protein 1, Small calcium-binding mitochondrial carrier protein 1, Solute carrier family 25 member 24, SLC25A24, APC1, MCSC1, SCAMC1

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

SLC25A24 Polyclonal Antibody - Protein Information

Name SLC25A24 ([HGNC:20662](#))

Function

Electroneutral antiporter that mediates the transport of adenyl nucleotides through the inner mitochondrial membrane. Originally identified as an ATP-magnesium/inorganic phosphate antiporter, it also acts as a broad specificity adenyl nucleotide antiporter. By regulating the mitochondrial matrix adenyl nucleotide pool could adapt to changing cellular energetic demands and indirectly regulate adenyl nucleotide- dependent metabolic pathways (PubMed:[15123600](http://www.uniprot.org/citations/15123600), PubMed:[22015608](http://www.uniprot.org/citations/22015608)). In vitro, a low activity is also observed with guanyl and pyrimidine nucleotides (PubMed:[22015608](#))

href="http://www.uniprot.org/citations/15123600" target="_blank">15123600). May play a role in protecting cells against oxidative stress-induced cell death, by buffering calcium levels in the mitochondrial matrix through the formation of calcium- phosphate precipitates (PubMed:22015608, PubMed:29100093).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

Expressed in all tissues tested. Highly expressed in testis, expressed at intermediate level in small intestine and pancreas, and weakly expressed in kidney, spleen, liver, skeletal muscle and heart.

SLC25A24 Polyclonal 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](#)

SLC25A24 Polyclonal Antibody - Images