

SLC25A12 Rabbit mAb
Catalog # AP76091**Specification**

SLC25A12 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	O75746
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	74762

SLC25A12 Rabbit mAb - Additional Information

Gene ID 8604

Other Names
SLC25A12**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**SLC25A12 Rabbit mAb - Protein Information**Name SLC25A12 ([HGNC:10982](#))**Function**

Mitochondrial electrogenic aspartate/glutamate antiporter that favors efflux of aspartate and entry of glutamate and proton within the mitochondria as part of the malate-aspartate shuttle (PubMed: [11566871](http://www.uniprot.org/citations/11566871), PubMed: [19641205](http://www.uniprot.org/citations/19641205), PubMed: [24515575](http://www.uniprot.org/citations/24515575), PubMed: [38945283](http://www.uniprot.org/citations/38945283)). Also mediates the uptake of L-cysteinesulfinatate (3-sulfino-L-alanine) by mitochondria in exchange of L-glutamate and proton (PubMed: [11566871](http://www.uniprot.org/citations/11566871)). Can also exchange L-cysteinesulfinatate with aspartate in their anionic form without any proton translocation (PubMed: [11566871](http://www.uniprot.org/citations/11566871)). Lacks transport activity towards L-glutamine or gamma-aminobutyric acid (GABA) (PubMed: [38945283](http://www.uniprot.org/citations/38945283)).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

Expressed predominantly in the heart and skeletal muscle, weakly in brain and kidney.

SLC25A12 Rabbit mAb - 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](#)

SLC25A12 Rabbit mAb - Images

