

SLC38A4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57959**Specification**

SLC38A4 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O969I6
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60764

SLC38A4 Polyclonal Antibody - Additional Information**Gene ID** 55089**Other Names**

Sodium-coupled neutral amino acid transporter 4, Amino acid transporter A3, Na(+)-coupled neutral amino acid transporter 4, Solute carrier family 38 member 4, System A amino acid transporter 3, System N amino acid transporter 3, SLC38A4, ATA3, NAT3, SNAT4

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.

SLC38A4 Polyclonal Antibody - Protein Information**Name** SLC38A4 ([HGNC:14679](#))**Function**

Symporter that cotransports neutral amino acids and sodium ions from the extracellular to the intracellular side of the cell membrane (PubMed:[11342143](http://www.uniprot.org/citations/11342143), PubMed:[19015196](http://www.uniprot.org/citations/19015196), PubMed:[33928121](http://www.uniprot.org/citations/33928121)). The transport is electrogenic, pH dependent and partially tolerates substitution of Na(+) by Li(+) (PubMed:[11414754](http://www.uniprot.org/citations/11414754)). Preferentially transports smaller amino acids, such as glycine, L-alanine, L-serine, L-asparagine and L-threonine, followed by L-cysteine, L-histidine, L-proline and L-glutamine and L-methionine (PubMed:[11414754](http://www.uniprot.org/citations/11414754), PubMed:[33928121](http://www.uniprot.org/citations/33928121)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, microvillus membrane; Multi-pass

membrane protein Note=Microvillus membrane localization in placenta

Tissue Location

Expressed almost exclusively in embryonic and adult liver, and at lower levels in the kidney (PubMed:11342143, PubMed:11414754). Expressed at lower levels in adult muscle and pancreas (PubMed:11414754). Detected in fetal blood vessels (PubMed:16148032). Expressed in syncytiotrophoblasts of placenta during first trimester and at term (PubMed:19015196, PubMed:16148032). Highly expressed in first trimester placenta compared to term placenta (PubMed:19015196).

SLC38A4 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](#)

SLC38A4 Polyclonal Antibody - Images