

SLC24A3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16392a**Specification**

SLC24A3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9HC58
Other Accession	NP_065740.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	71992
Antigen Region	79-108

SLC24A3 Antibody (N-term) - Additional Information**Gene ID** 57419**Other Names**

Sodium/potassium/calcium exchanger 3, Na(+)/K(+)/Ca(2+)-exchange protein 3, Solute carrier family 24 member 3, SLC24A3, NCKX3

Target/Specificity

This SLC24A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-108 amino acids from the N-terminal region of human SLC24A3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC24A3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC24A3 Antibody (N-term) - Protein Information**Name** SLC24A3

Synonyms NCKX3 {ECO:0000303|PubMed:26631410}

Function Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

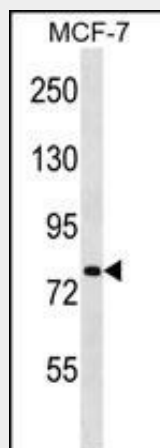
Abundant in the brain (PubMed:11294880). Expressed at low levels in the aorta, uterus and intestine (PubMed:11294880)

SLC24A3 Antibody (N-term) - 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](#)

SLC24A3 Antibody (N-term) - Images



SLC24A3 Antibody (N-term) (Cat. #AP16392a) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the SLC24A3 antibody detected the SLC24A3 protein (arrow).

SLC24A3 Antibody (N-term) - Background

Plasma membrane sodium/calcium exchangers are an important component of intracellular calcium homeostasis and electrical conduction. Potassium-dependent sodium/calcium exchangers such as SLC24A3 are believed to transport 1 intracellular calcium and 1 potassium ion in exchange for 4 extracellular sodium ions (Kraev et al., 2001 [PubMed 11294880]).

SLC24A3 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Cheng, Y.C., et al. Circ Cardiovasc Genet 2(4):329-337(2009)
Deloukas, P., et al. Nature 414(6866):865-871(2001)
Kraev, A., et al. J. Biol. Chem. 276(25):23161-23172(2001)