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SLC24A5 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18543c

Specification

SLC24A5 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q71RS6

SLC24A5 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 283652

Other Names
Sodium/potassium/calcium exchanger 5, Na(+)/K(+)/Ca(2+)-exchange protein 5, Solute carrier family 24 member 5, SLC24A5, JSX, NCKX5

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC24A5 Antibody (Center) Blocking Peptide - Protein Information

Name SLC24A5 {ECO:0000303|PubMed:16357253, ECO:0000312|HGNC:HGNC:20611}

Function
Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) to the melanosome in exchange for 4 cytoplasmic Na(+) (PubMed:18166528). Involved in pigmentation, possibly by participating in ion transport in melanosomes (PubMed:16357253, PubMed:18166528). Predominant sodium-calcium exchanger in melanocytes (PubMed:16357253, PubMed:18166528).

Cellular Location
Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein. Melanosome. Note=Enriched in late-stage melanosomes.

SLC24A5 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SLC24A5 Antibody (Center) Blocking Peptide - Images

SLC24A5 Antibody (Center) Blocking Peptide - Background

This gene is a member of the potassium-dependentsodium/calcium exchanger family and encodes an intracellularmembrane protein with 2 large hydrophilic loops and 2 sets ofmultiple transmembrane-spanning segments. Sequence variation inthis gene has been associated with differences in skinpigmentation.

SLC24A5 Antibody (Center) Blocking Peptide - References

Meda, S.A., et al. Neuroimage 53(3):1007-1015(2010)Nan, H., et al. Int. J. Cancer 125(4):909-917(2009)Dagle, J.M., et al. Pediatrics 123(4):1116-1123(2009)Gronskov, K., et al. Invest. Ophthalmol. Vis. Sci. 50(3):1058-1064(2009)Cook, A.L., et al. J. Invest. Dermatol. 129(2):392-405(2009)