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Goat Anti-SLC24A5 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1998a

Specification

Goat Anti-SLC24A5 Antibody - Product Information

Application	**WB**
Primary Accession	Q71RS6
Other Accession	NP_995322, 283652, 317750 (mouse)
Reactivity	**Mouse, Rat**
Predicted	**Human, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**54888**

Goat Anti-SLC24A5 Antibody - 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
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-SLC24A5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SLC24A5 Antibody - 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:<a href="http://www.uniprot.org/citations/18166528"

target="_blank">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.

Goat Anti-SLC24A5 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 Cytomety
- Cell Culture

Goat Anti-SLC24A5 Antibody - Images



AF1998a (2 µg/ml) staining of Mouse Eye lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SLC24A5 Antibody - Background

This gene is a member of the potassium-dependent sodium/calcium exchanger family and encodes an intracellular membrane protein with 2 large hydrophilic loops and 2 sets of multiple transmembrane-spanning segments. Sequence variation in this gene has been associated with differences in skin pigmentation.

Goat Anti-SLC24A5 Antibody - References

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Gr□nskov K, et al. Invest Ophthalmol Vis Sci, 2009 Mar. PMID 19060277.
Analysis of cultured human melanocytes based on polymorphisms within the SLC45A2/MATP, SLC24A5/NCKX5, and OCA2/P loci. Cook AL, et al. J Invest Dermatol, 2009 Feb. PMID 18650849.