

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: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 Cytometry](#)
- [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

A pilot multivariate parallel ICA study to investigate differential linkage between neural networks and genetic profiles in schizophrenia. Meda SA, et al. Neuroimage, 2010 Nov 15. PMID 19944766.
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Birth prevalence and mutation spectrum in danish patients with autosomal recessive albinism.

Grønskov 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.