

Rabbit anti-Human, Mouse SLC24A1 Polyclonal Antibody | anti-SLC24A1 antibody

SLC24A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325170	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

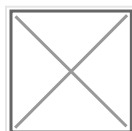
PRODUCT SYNONYMS

SLC24A1; Polyclonal Antibody; SLC24A1 Antibody; CSNB1D; HsT17412; KIAA0702; Na(+)/K(+)/Ca(2+) exchange protein 1; Na(+)/K(+)/Ca(2+)-exchange protein 1; NCKX; NCKX1; NCKX1_HUMAN; Retinal rod Na Ca+K exchanger; Retinal rod Na+/Ca+/K+ exchanger; Retinal rod Na-Ca+K exchanger; RODX; Slc24a1; Sodium/potassium/calcium exchanger 1; Solute carrier family 24 (sodium/potassium/calcium exchanger) member 1; Solute carrier family 24 member 1; anti-SLC24A1 antibody

PRODUCT SPECIFICATIONS

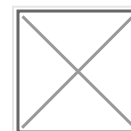
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC24A1 antibody detects endogenous levels of total SLC24A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1069
Applicable Applications for anti-SLC24A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Expressed in the retina, particularly in the inner segment, outer and inner nuclear layers, and ganglion cell layer.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325170 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells using SLC24A1 antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela, using SLC24A1 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC24A1 antibody	Function: Critical component of the visual transduction cascade, controlling the calcium concentration of outer segments during light and darkness. Light causes a rapid lowering of cytosolic free calcium in the outer segment of both retinal rod and cone photoreceptors and the light-induced lowering of calcium is caused by extrusion via this protein which plays a key role in the process of light adaptation. Transports 1 Ca ²⁺ and 1 K ⁺ in exchange for 4 Na ⁺ . Post-translational Modifications: The uncleaved signal sequence is required for efficient membrane targeting and proper membrane integration. Similarity: Belongs to the Ca(2+):cation antiporter (CaCA) (TC 2.A.19) family. SLC24A subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	666335647
NCBI GeneID	9187
NCBI Accession #	NP_001287960.1
NCBI GenBank Nucleotide #	NM_001301031.1
UniProt Accession #	O60721; O43485; O75184; Q17RM9
Molecular Weight	Observed: 121 kD Predicted: 122 kDa
NCBI Official Full Name	sodium/potassium/calcium exchanger 1 isoform 3
NCBI Official Synonym Full Names	solute carrier family 24 member 1
NCBI Official Symbol	SLC24A1
NCBI Official Synonym Symbols	NCKX; RODX; NCKX1; CSNB1D; HsT17412
NCBI Protein Information	sodium/potassium/calcium exchanger 1
UniProt Protein Name	Sodium/potassium/calcium exchanger 1
UniProt Gene Name	SLC24A1
UniProt Synonym Gene Names	KIAA0702; NCKX1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc24a1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325170>