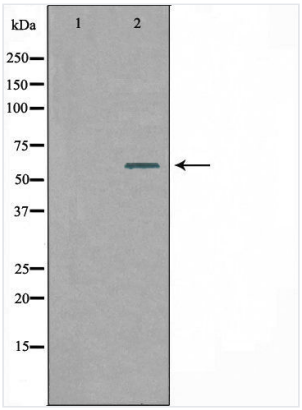
SLC24A4 Antibody – Rabbit Polyclonal

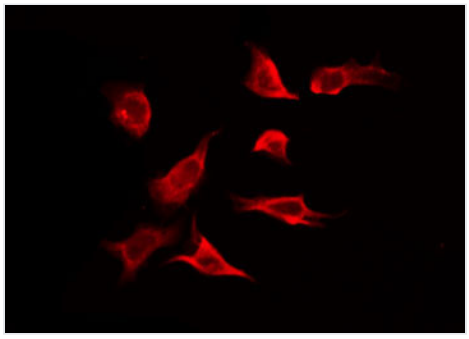
PRODUCT OVERVIEW

Product Name	SLC24A4, Polyclonal Antibody
Full Product Name	SLC24A4 Antibody
Product Gene Name	anti-SLC24A4 antibody
Product Synonym Names	Na(+)/K(+)/Ca(2+)-exchange protein 4; NCKX4; NCKX4_HUMAN; SHEP6; SLC24A2; SLC24A4; Sodium/potassium/calcium exchanger 4; Solute carrier family 24 (sodium/potassium/calcium exchanger) member 4; Solute carrier family 24 member 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	SLC24A4 antibody detects endogenous levels of total SLC24A4
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	SLC24A4 peptide (MBS9624696) is used for blocking the activity of SLC24A4 antibody (MBS9605979)
Molecular Weight	Observed: 60 kD Predicted: 70 kDa
3D Structure	ModBase 3D Structure for Q8NFF2
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Expressed abundantly in all regions of the brain, aorta, lung and thymus. Expressed at lower levels in the stomach and intestine.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (88%), Bovine (94%), Horse (100%), Sheep (94%), Rabbit (81%), Dog (94%), Chicken (88%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC24A4 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-SLC24A4 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500

Related Product Information for anti-SLC24A4 antibody	Function: Transports 1 Ca2+ and 1 K+ in exchange for 4 Na+. Controls the rapid response termination and proper regulation of adaptation in olfactory sensory neurons (OSNs) which subsequently influences how odor information is encoded and perceived. May play a role in calcium transport during amelogenesis (By similarity). Similarity: Belongs to the Ca(2+):cation antiporter (CaCA) (TC 2.A.19) family. SLC24A subfamily.
Other Notes	Small volumes of anti-SLC24A4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC24A4 purchase	MBS9605979 is an antibody targeting SLC24A4. Also known as SLC24A4 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-SLC24A4 antibody
Western blot analysis of extracts from RAW264.7 cells, using SLC24A4 antibody.The lane on the left is treated with the antigen-specific peptide.



Immunofluorescene (IF) of anti-SLC24A4 antibody
MBS9605979 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC24A4. It may not necessarily be applicable to this product.

NCBI GI #	300797277
NCBI GeneID	123041
NCBI Accession #	NP_705932.2
UniProt Primary Accession #	Q8NFF2
UniProt Secondary Accession #	Q8N8U6; Q8NCX1; Q8NFF0; Q8NFF1; B4DHE7; B9ZVY2
UniProt Related Accession #	Q8NFF2
GenBank Nucleotide #	NM_153646.3
NCBI Official Full Name	sodium/potassium/calcium exchanger 4 isoform 1
NCBI Official Synonym Full Names	solute carrier family 24 member 4
NCBI Official Symbol	SLC24A4
NCBI Official Synonym Symbols	AI2A5; NCKX4; SHEP6; SLC24A2
UniProt Protein Name	Sodium/potassium/calcium exchanger 4
UniProt Synonym Protein Names	Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4
Protein Family	Sodium/potassium/calcium exchanger
UniProt Gene Name	SLC24A4
NCBI Protein Information	sodium/potassium/calcium exchanger 4
NCBI Summary for SLC24A4	This gene encodes a member of the potassium-dependent sodium/calcium exchanger protein family. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010]

UniProt Comments for SLC24A4	Transports 1 Ca2+ and 1 K+ in exchange for 4 Na+. Controls the rapid response termination and proper regulation of adaptation in olfactory sensory neurons (OSNs) which subsequently influences how odor information is encoded and perceived. May play a role in calcium transport during amelogenesis ().
Research Articles on SLC24A4	**1.** no significant relation was noted between SLC24A4 rs10498633 and late-onset Alzheimer;s disease risk in neither apolipoprotein E (APOE) epsilon4 carriers nor non-carriers after adjusting for age and gender
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