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SLC24A4 Rabbit pAb

Catalog # AP98021

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8NFF2
Other Accession	Q8NFF2
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69042
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC24A4
Epitope Specificity	31-130/622
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the sodium/potassium/calcium exchanger family. SLC24A subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	123041
Other Names	AI2A5; NCKX4; SHEP6; SLC24A2; A930002M03Rik; NCKX4_HUMAN; SLC24A4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4; NCKX4_MOUSE; solute carrier family 24 (sodium/potassium/calcium exchanger), member 4; Na/Ca-K exchanger 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC24A4 (HGNC:10978)

Function	Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+) (PubMed:12379639, PubMed:26631410). 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 (By similarity). May play a role in calcium transport during amelogenesis (PubMed:23375655, PubMed:24621671).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q8CGQ8}
Tissue Location	Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.