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SLC24A4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21680c

Product Information

Application	WB, E
Primary Accession	Q8NFF2
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB47945
Calculated MW	69042

Additional Information

Gene ID	123041
Other Names	Sodium/potassium/calcium exchanger 4, Na(+)/K(+)/Ca(2+)-exchange protein 4, Solute carrier family 24 member 4, SLC24A4, NCKX4
Target/Specificity	This SLC24A4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 344-378 amino acids from the Central region of human SLC24A4.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLC24A4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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)

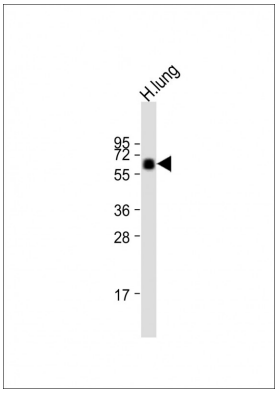
Background

Transports 1 Ca(2+) 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).

References

Li X.-F.,et al.J. Biol. Chem. 277:48410-48417(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



Anti-SLC24A4 Antibody (Center) at 1:2000 dilution + human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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