

SLC24A4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50838**Specification**

SLC24A4 Antibody - Product Information

Application	WB
Primary Accession	Q8NFF2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69,62,67,53 KDa
Antigen Region	355-383

SLC24A4 Antibody - 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

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

SLC24A4 Antibody - Protein Information**Name** SLC24A4 ([HGNC:10978](#))**Function**

Calcium, potassium:sodium antiporter that transports 1 Ca²⁺ 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

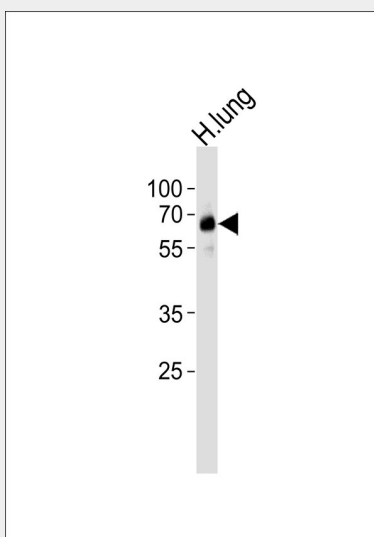
Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639).
Expressed at lower levels in the stomach and intestine (PubMed:12379639)

SLC24A4 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](#)

SLC24A4 Antibody - Images



Western blot analysis of lysate from human lung tissue lysate, using SLC24A4 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

SLC24A4 Antibody - Background

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).

SLC24A4 Antibody - 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).