

SLC24A2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13886c**Specification**

SLC24A2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9UI40](#)**SLC24A2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 25769**Other Names**

Sodium/potassium/calcium exchanger 2, Na(+)/K(+)/Ca(2+)-exchange protein 2, Retinal cone Na-Ca+K exchanger, Solute carrier family 24 member 2, SLC24A2, NCKX2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13886c was selected from the Center region of SLC24A2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC24A2 Antibody (Center) Blocking peptide - Protein Information**Name** SLC24A2**Synonyms** NCKX2 {ECO:0000303|PubMed:10662833}**Function**

Calcium, potassium:sodium antiporter that transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+) (PubMed:10662833, PubMed:26631410). Required for learning and memory by regulating neuronal Ca(2+), which is essential for the development of synaptic plasticity (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

SLC24A2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SLC24A2 Antibody (Center) Blocking peptide - Images

SLC24A2 Antibody (Center) Blocking peptide - Background

The outer segment of retinal rod and cone photoreceptors contains electrogenic sodium-calcium exchangers which mediate a light-induced decrease in free calcium concentration. This function in cones is performed by SLC24A2 (Prinsen et al., 2000 [PubMed10662833]).

SLC24A2 Antibody (Center) Blocking peptide - References

Altimimi, H.F., et al. J. Biol. Chem. 285(20):15245-15255(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Kim, S.H., et al. Clin. Exp. Allergy 39(2):203-212(2009) Ginger, R.S., et al. J. Biol. Chem. 283(9):5486-5495(2008) Altimimi, H.F., et al. J. Biol. Chem. 282(6):3720-3729(2007)