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SLC12A2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17792b

Specification

SLC12A2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P55011

SLC12A2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6558

Other Names
Solute carrier family 12 member 2, Basolateral Na-K-Cl symporter, Bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1, SLC12A2, NKCC1

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.

SLC12A2 Antibody (C-term) Blocking Peptide - Protein Information

Name SLC12A2

Function
Cation-chloride cotransporter which mediates the electroneutral transport of chloride, potassium and/or sodium ions across the membrane (PubMed:32081947, PubMed:33597714, PubMed:32294086, PubMed:7629105, PubMed:16669787). Plays a vital role in the regulation of ionic balance and cell volume (PubMed:32081947, PubMed:32294086, PubMed:7629105, PubMed:16669787).

Cellular Location
Basolateral cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in many tissues.

SLC12A2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SLC12A2 Antibody (C-term) Blocking Peptide - Images

SLC12A2 Antibody (C-term) Blocking Peptide - Background

By moving chloride into epithelial cells, the Na-K-Clcotransporter SLC12A2 aids transcellular movement of chlorideacross both secretory and absorptive epithelia (Payne et al., 1995[PubMed 7629105]). See also SLC12A1 (MIM 600839) and SLC12A3 (MIM600968).

SLC12A2 Antibody (C-term) Blocking Peptide - References

Tang, J., et al. J. Biol. Chem. 285(44):34072-34085(2010)Helland, C.A., et al. Exp. Neurol. 224(2):424-428(2010)Sid, B., et al. J. Physiol. (Lond.) 588 (PT 13), 2315-2328 (2010) :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Orlov, S.N., et al. Curr. Opin. Nephrol. Hypertens. 19(2):163-168(2010)