

SLC12A5 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5876a**Specification**

SLC12A5 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O9H2X9](#)
Other Accession [NP_065759.1](#), [NP_001128243.1](#)

SLC12A5 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 57468

Other Names

Solute carrier family 12 member 5, Electroneutral potassium-chloride cotransporter 2, K-Cl cotransporter 2, hKCC2, Neuronal K-Cl cotransporter, SLC12A5, KCC2, KIAA1176

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.

SLC12A5 Antibody (N-term) Blocking peptide - Protein Information

Name SLC12A5 ([HGNC:13818](#))

Function

Mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl(-) homeostasis (PubMed:12106695). As major extruder of intracellular chloride, it establishes the low neuronal Cl(-) levels required for chloride influx after binding of GABA-A and glycine to their receptors, with subsequent hyperpolarization and neuronal inhibition (By similarity). Involved in the regulation of dendritic spine formation and maturation (PubMed:24668262).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q91V14}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q91V14}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q91V14}. Note=Detected on dendrites, but not on axons of spinal cord neurons and at GPHN-positive inhibitory synapses. {ECO:0000250|UniProtKB:Q91V14}

Tissue Location

Brain specific. Detected in neuronal cells.

SLC12A5 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC12A5 Antibody (N-term) Blocking peptide - Images