

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

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**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:<a href="http://www.uniprot.org/citations/12106695" target="\_blank">12106695</a>). 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:<a href="http://www.uniprot.org/citations/24668262" target="\_blank">24668262</a>).

**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**