

SLC44A1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14061c**Specification**

SLC44A1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8WWI5](#)**SLC44A1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 23446**Other Names**

Choline transporter-like protein 1, CDw92, Solute carrier family 44 member 1, CD92, SLC44A1, CD92, CDW92, CTL1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14061c was selected from the Center region of SLC44A1. 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.

SLC44A1 Antibody (Center) Blocking peptide - Protein Information**Name** SLC44A1 ([HGNC:18798](#))**Synonyms** CD92, CDW92, CTL1**Function**

Choline/H⁺ antiporter (PubMed: [19357133](http://www.uniprot.org/citations/19357133), PubMed: [31855247](http://www.uniprot.org/citations/31855247), PubMed: [33789160](http://www.uniprot.org/citations/33789160), PubMed: [23651124](http://www.uniprot.org/citations/23651124)). Also acts as a high-affinity ethanolamine/H⁺ antiporter, regulating the supply of extracellular ethanolamine (Etn) for the CDP-Etn pathway, redistribute intracellular Etn and balance the CDP-Cho and CDP-Etn arms of the Kennedy pathway (PubMed: [33789160](http://www.uniprot.org/citations/33789160)). Involved in membrane synthesis and myelin production (PubMed: [31855247](http://www.uniprot.org/citations/31855247)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Mitochondrion outer membrane; Multi-pass membrane protein

Tissue Location

Expressed in various cells of the hematopoietic system.

SLC44A1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC44A1 Antibody (Center) Blocking peptide - Images**SLC44A1 Antibody (Center) Blocking peptide - Background**

SLC44A1 is a choline transporter. May be involved in membrane synthesis and myelin production.

SLC44A1 Antibody (Center) Blocking peptide - References

Nakamura, T., et al. Biol. Pharm. Bull. 33(4):691-696(2010) Machova, E., et al. J. Neurochem. 110(4):1297-1309(2009) Michel, V., et al. FASEB J. 23(8):2749-2758(2009) Perry, J.R., et al. Nat. Genet. 41(6):648-650(2009) Yuan, Z., et al. Physiol. Genomics 26(1):76-90(2006)

SLC44A1 Antibody (Center) Blocking peptide - Citations

- [Expression of choline and acetylcholine transporters in synovial tissue and cartilage of patients with rheumatoid arthritis and osteoarthritis.](#)