

**S17A9 Antibody (N-term) Blocking Peptide**

Synthetic peptide

Catalog # BP4896a

**Specification**

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**S17A9 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession

[Q9BYT1](#)**S17A9 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 63910

**Other Names**

Solute carrier family 17 member 9, SLC17A9, C20orf59

**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.

**S17A9 Antibody (N-term) Blocking Peptide - Protein Information****Name** SLC17A9 {ECO:0000303|PubMed:18375752, ECO:0000312|HGNC:HGNC:16192}**Function**

Voltage-gated ATP nucleotide uniporter that can also transport the purine nucleotides ADP and GTP. Uses the membrane potential as the driving force to control ATP accumulation in lysosomes and secretory vesicles (PubMed:<a href="http://www.uniprot.org/citations/18375752" target="\_blank">18375752</a>, PubMed:<a href="http://www.uniprot.org/citations/23467297" target="\_blank">23467297</a>). By controlling ATP storage in lysosomes, regulates ATP-dependent proteins of these organelles (PubMed:<a href="http://www.uniprot.org/citations/35269509" target="\_blank">35269509</a>). Also indirectly regulates the exocytosis of ATP through its import into lysosomes in astrocytes and secretory vesicles such as adrenal chromaffin granules, mucin granules and synaptic vesicles (PubMed:<a href="http://www.uniprot.org/citations/18375752" target="\_blank">18375752</a>, PubMed:<a href="http://www.uniprot.org/citations/23467297" target="\_blank">23467297</a>).

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane {ECO:0000250|UniProtKB:Q8VCL5}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Lysosome membrane {ECO:0000250|UniProtKB:Q8VCL5}; Multi-pass membrane protein. Note=Localizes to mucin granules and vesicles.

**Tissue Location**

Widely expressed, but more predominantly in adrenal gland, brain and thyroid.

**S17A9 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**S17A9 Antibody (N-term) Blocking Peptide - Images****S17A9 Antibody (N-term) Blocking Peptide - Background**

S17A9 involved in vesicular storage and exocytosis of ATP. S17A9 may accumulate ATP and other nucleotides in secretory vesicles such as adrenal chromaffin granules and synaptic vesicles.

**S17A9 Antibody (N-term) Blocking Peptide - References**

Sawada, K., et al. Proc. Natl. Acad. Sci. U.S.A. 105(15):5683-5686(2008) Jikuya, H., et al. DNA Res. 10(1):49-57(2003) Deloukas, P., et al. Nature 414(6866):865-871(2001)