

S17A9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP4896a**Specification**

S17A9 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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:18375752, PubMed:23467297). By controlling ATP storage in lysosomes, regulates ATP-dependent proteins of these organelles (PubMed:35269509). 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:18375752, PubMed:23467297).

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)