

SAT2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11946c**Specification**

SAT2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q96F10](#)**SAT2 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 112483

Other Names

Diamine acetyltransferase 2, Polyamine N-acetyltransferase 2, Spermidine/spermine N(1)-acetyltransferase 2, Thialysine N-epsilon-acetyltransferase, SAT2, SSAT2

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.

SAT2 Antibody (Center) Blocking peptide - Protein InformationName SAT2 ([HGNC:23160](#))**Function**

Catalyzes the N-acetylation of the amino acid thialysine (S- (2-aminoethyl)-L-cysteine), a L-lysine analog with the 4-methylene group substituted with a sulfur (PubMed:15283699). May also catalyze acetylation of polyamines, such as norspermidine, spermidine or spermine (PubMed:12803540). However, ability to acetylate polyamines is weak, suggesting that it does not act as a diamine acetyltransferase in vivo (PubMed:15283699).

Cellular Location

Cytoplasm. Note=Intracellular organelles.

Tissue Location

Widely expressed (PubMed:15283699, PubMed:12803540). Under physiological conditions, SSAT2 is expressed at lower level than SSAT1 (SSAT). Many tissues express only SSAT1, several tissues express both SSAT1 and SSAT2, and bone, cervix, ovary and pineal gland expressed only SSAT2 (PubMed:12803540)

SAT2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SAT2 Antibody (Center) Blocking peptide - Images

SAT2 Antibody (Center) Blocking peptide - Background

SAT2 is an enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine > spermidine = spermine >> N(1)acetylspermine = putrescine.

SAT2 Antibody (Center) Blocking peptide - References

Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010) Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009) Shen, M., et al. Environ. Mol. Mutagen. 50(4):285-290(2009) Sun, H., et al. Oncol. Rep. 20(5):1229-1235(2008) Hosgood, H.D. III, et al. Carcinogenesis 29(10):1938-1943(2008)