

ASMTL Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13236c**Specification**

ASMTL Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95671](#)**ASMTL Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8623**Other Names**

N-acetylserotonin O-methyltransferase-like protein, ASMTL, 211-, ASMTL

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13236c was selected from the Center region of ASMTL. 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.

ASMTL Antibody (Center) Blocking peptide - Protein Information**Name** ASMTL**Function**

Nucleoside triphosphate pyrophosphatase that hydrolyzes dTTP and UTP. Can also hydrolyze CTP and the modified nucleotides pseudo- UTP, 5-methyl-UTP (m(5)UTP) and 5-methyl-CTP (m(5)CTP). Has weak activity with dCTP, 8-oxo-GTP and N(4)-methyl-dCTP (PubMed:24210219). May have a dual role in cell division arrest and in preventing the incorporation of modified nucleotides into cellular nucleic acids (PubMed:24210219). In addition, the presence of the putative catalytic domain of S-adenosyl-L-methionine binding in the C-terminal region argues for a methyltransferase activity (Probable).

Tissue Location

Widely expressed. In adult, highly expressed in pancreas, placenta, fibroblast, thymus, prostate, testis, ovary and colon. Expressed at lower levels in spleen, small intestine and leukocytes. In

fetus, expressed at high levels in the lung and kidney and at lower level in brain and liver

ASMTL Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ASMTL Antibody (Center) Blocking peptide - Images

ASMTL Antibody (Center) Blocking peptide - Background

The protein encoded by this gene has an N-terminus that is similar to the multicopy associated filamentation (maf) protein of *Bacillus subtilis* and to orfE of *Escherichia coli*, while the C-terminus is similar to N-acetylserotonin O-methyltransferase. This gene is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Three transcript variants encoding different isoforms have been found for this gene.

ASMTL Antibody (Center) Blocking peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Ried, K., et al. Hum. Mol. Genet. 7(11):1771-1778(1998)