

## ASMT Antibody (Center) Blocking Peptide

Synthetic peptide  
Catalog # BP4790c

### Specification

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#### ASMT Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P46597](#)

#### ASMT Antibody (Center) Blocking Peptide - Additional Information

Gene ID 438

##### Other Names

Acetylserotonin O-methyltransferase, Hydroxyindole O-methyltransferase, HIOMT, ASMT

##### 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.

#### ASMT Antibody (Center) Blocking Peptide - Protein Information

Name ASMT

##### Function

[Isoform 1]: Catalyzes the transfer of a methyl group onto N- acetylserotonin, producing melatonin (N-acetyl-5-methoxytryptamine).

##### Tissue Location

Expressed in the pineal gland (at protein level). In the retina, very low expression is found at the mRNA level (PubMed:7989373), and not at the protein level (PubMed:8574683)

#### ASMT Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

**ASMT Antibody (Center) Blocking Peptide - Images**

**ASMT Antibody (Center) Blocking Peptide - Background**

ASMT belongs to the methyltransferase superfamily, and is located in the pseudoautosomal region (PAR) at the end of the short arms of the X and Y chromosomes. The encoded enzyme catalyzes the final reaction in the synthesis of melatonin, and is abundant in the pineal gland.

#### **ASMT Antibody (Center) Blocking Peptide - References**

Melke, J., et al. Mol. Psychiatry 13(1):90-98(2008)Toma, C., et al. Mol. Psychiatry 12(11):977-979(2007)Ross, M.T., et al. Nature 434(7031):325-337(2005)Itoh, M.T., et al. Horm. Metab. Res. 35(3):153-157(2003)