

**OAT Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8897a****Specification**

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**OAT Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P04181](#)**OAT Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4942**Other Names**

Ornithine aminotransferase, mitochondrial, Ornithine delta-aminotransferase, Ornithine--oxo-acid aminotransferase, Ornithine aminotransferase, hepatic form, Ornithine aminotransferase, renal form, OAT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8897a](/products/AP8897a) was selected from the N-term region of human OAT. 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.

**OAT Antibody (N-term) Blocking Peptide - Protein Information****Name** OAT**Function**

Catalyzes the reversible interconversion of L-ornithine and 2-oxoglutarate to L-glutamate semialdehyde and L-glutamate.

**Cellular Location**

Mitochondrion matrix

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

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

- [Blocking Peptides](#)

#### **OAT Antibody (N-term) Blocking Peptide - Images**

#### **OAT Antibody (N-term) Blocking Peptide - Background**

OAT is the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA.

#### **OAT Antibody (N-term) Blocking Peptide - References**

Michaud J., et.al., Am. J. Hum. Genet. 56:616-622(1995).