

MAOB Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7496a**Specification**

MAOB Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P27338](#)**MAOB Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4129**Other Names**

Amine oxidase [flavin-containing] B, Monoamine oxidase type B, MAO-B, MAOB

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7496a](/products/AP7496a) was selected from the N-term region of human MAOB. 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.

MAOB Antibody (N-term) Blocking Peptide - Protein Information**Name** MAOB ([HGNC:6834](#))**Function**

Catalyzes the oxidative deamination of primary and some secondary amines such as neurotransmitters, and exogenous amines including the tertiary amine, neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP), with concomitant reduction of oxygen to hydrogen peroxide and participates in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:[11134050](http://www.uniprot.org/citations/11134050), PubMed:[8665924](http://www.uniprot.org/citations/8665924), PubMed:[8316221](http://www.uniprot.org/citations/8316221), PubMed:[11049757](http://www.uniprot.org/citations/11049757), PubMed:[20493079](http://www.uniprot.org/citations/20493079)). Preferentially degrades benzylamine and phenylethylamine (PubMed:[11134050](http://www.uniprot.org/citations/11134050), PubMed:[11134050](http://www.uniprot.org/citations/11134050)).

href="http://www.uniprot.org/citations/8665924" target="_blank">8665924, PubMed:8316221, PubMed:11049757, PubMed:20493079).

Cellular Location

Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side

MAOB Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAOB Antibody (N-term) Blocking Peptide - Images**MAOB Antibody (N-term) Blocking Peptide - Background**

MAOB belongs to the flavin monoamine oxidase family. This protein is a enzyme located in the mitochondrial outer membrane. The protein catalyzes the oxidative deamination of biogenic and xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. The protein preferentially degrades benzylamine and phenylethylamine.

MAOB Antibody (N-term) Blocking Peptide - References

Bergen,S.E., Fanous,A.H. Schizophr. Res. 109 (1-3), 94-97 (2009)Zhu,Q.S., Grimsby,J. J. Neurosci. 12 (11), 4437-4446 (1992)