

MAOB / Monoamine Oxidase B Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12516**Specification**

MAOB / Monoamine Oxidase B Antibody (Internal) - Product Information

Application	WB, IHC-P, E
Primary Accession	P27338
Reactivity	Human, Rabbit, Monkey, Pig, Horse, Bovine, Guinea Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	59kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

MAOB / Monoamine Oxidase B Antibody (Internal) - Additional Information**Gene ID** 4129**Other Names**

Amine oxidase [flavin-containing] B, 1.4.3.4, Monoamine oxidase type B, MAO-B, MAOB

Target/Specificity

Human MAOB. This antibody is not expected to cross-react with MAOA.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

MAOB / Monoamine Oxidase B Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

MAOB / Monoamine Oxidase B Antibody (Internal) - 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:11049757, PubMed:11134050, PubMed:20493079, PubMed:8316221, PubMed:8665924). Preferentially degrades benzylamine and phenylethylamine (PubMed:11049757, PubMed:11134050, PubMed:20493079, PubMed:8316221, PubMed:8665924).

Cellular Location

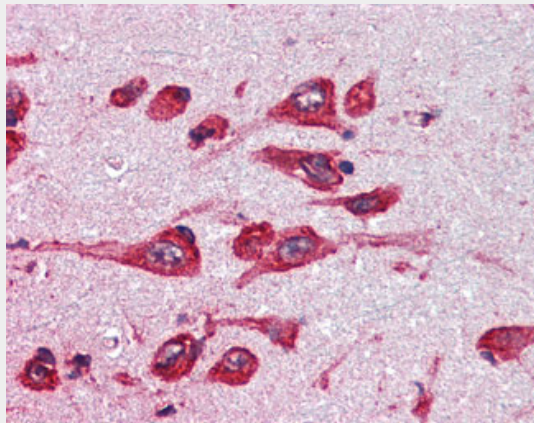
Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side

MAOB / Monoamine Oxidase B Antibody (Internal) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAOB / Monoamine Oxidase B Antibody (Internal) - Images



Anti-MAOB antibody IHC of human brain.

MAOB / Monoamine Oxidase B Antibody (Internal) - Background

Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOB preferentially degrades benzylamine and phenylethylamine.

MAOB / Monoamine Oxidase B Antibody (Internal) - References

Grimsby J., et al. Proc. Natl. Acad. Sci. U.S.A. 88:3637-3641(1991).
Bach A.W.J., et al. Proc. Natl. Acad. Sci. U.S.A. 85:4934-4938(1988).
Chen K., et al. J. Neurochem. 61:187-190(1993).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Ross M.T., et al. Nature 434:325-337(2005).

