

MAOB / Monoamine Oxidase B Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17153**Specification**

MAOB / Monoamine Oxidase B Antibody - Product Information

Application	IHC-P
Primary Accession	P27338
Other Accession	4129
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	58763

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

MAOB, Adrenalin oxidase, MAO, brain, MAO-B, Monoamine oxidase type B, MAO, platelet, Tyramine oxidase, Monoamine oxidase B

Target/Specificity

Human MAOB / Monoamine Oxidase B

Reconstitution & Storage

PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

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

MAOB / Monoamine Oxidase B Antibody - 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, PubMed:8665924, PubMed:8316221, PubMed:11049757, PubMed:11049757)

href="http://www.uniprot.org/citations/20493079" target="_blank">20493079). Preferentially degrades benzylamine and phenylethylamine (PubMed:11134050, PubMed:8665924, PubMed:8316221, PubMed:11049757, PubMed:20493079).

Cellular Location

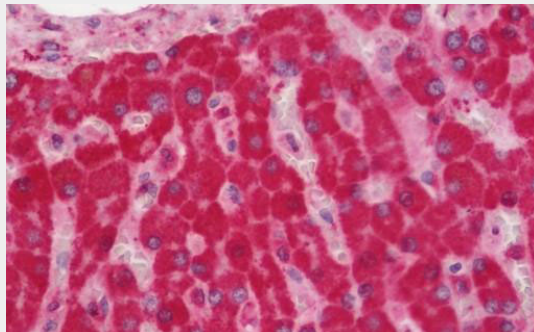
Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side

MAOB / Monoamine Oxidase B Antibody - Protocols

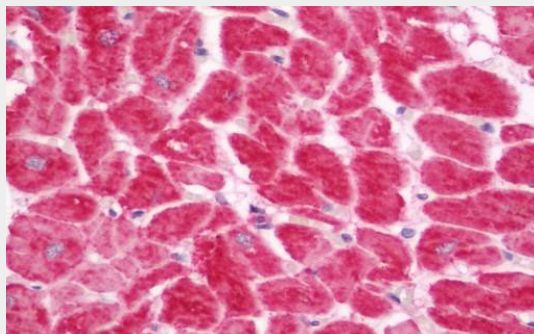
Provided below are standard protocols that you may find useful for product applications.

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

MAOB / Monoamine Oxidase B Antibody - Images



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)

MAOB / Monoamine Oxidase B Antibody - 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 - 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).