

**Monoamine Oxidase A Rabbit mAb**  
Catalog # AP75734**Specification****Monoamine Oxidase A Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P21397</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	59682

**Monoamine Oxidase A Rabbit mAb - Additional Information**

Gene ID 4128

**Other Names**

MAOA

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**Monoamine Oxidase A Rabbit mAb - Protein Information**Name MAOA ([HGNC:6833](#))**Function**

Catalyzes the oxidative deamination of primary and some secondary amine such as neurotransmitters, with concomitant reduction of oxygen to hydrogen peroxide and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed: [18391214](http://www.uniprot.org/citations/18391214) target="\_blank">18391214</a>, PubMed: [20493079](http://www.uniprot.org/citations/20493079) target="\_blank">20493079</a>, PubMed: [24169519](http://www.uniprot.org/citations/24169519) target="\_blank">24169519</a>, PubMed: [8316221](http://www.uniprot.org/citations/8316221) target="\_blank">8316221</a>). Preferentially oxidizes serotonin (PubMed: [20493079](http://www.uniprot.org/citations/20493079) target="\_blank">20493079</a>, PubMed: [24169519](http://www.uniprot.org/citations/24169519) target="\_blank">24169519</a>). Also catalyzes the oxidative deamination of kynuramine to 3-(2-aminophenyl)-3-oxopropanal that can spontaneously condense to 4-hydroxyquinoline (By similarity).

**Cellular Location**

Mitochondrion outer membrane {ECO:0000250|UniProtKB:P21396}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:P21396}; Cytoplasmic side {ECO:0000250|UniProtKB:P21396}

### Tissue Location

Heart, liver, duodenum, blood vessels and kidney.

### Monoamine Oxidase A Rabbit mAb - 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](#)

### Monoamine Oxidase A Rabbit mAb - Images



