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Anti-MAOA / Monoamine Oxidase Antibody (aa298-347)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18098

Specification

Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P21397
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**59682**

Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) - Additional Information

Gene ID 4128

Alias Symbol	**MAOA**

Other Names
MAOA, MAO-A, Monoamine Oxidase, Monoamine oxidase A, Monoamine oxidase type A

Target/Specificity
MAO-A antibody detects endogenous levels of MAO-A.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) - 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:20493079, PubMed:8316221, PubMed:18391214, PubMed:24169519). Preferentially oxidizes serotonin (PubMed:20493079, PubMed:24169519). 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.

Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MAOA / Monoamine Oxidase Antibody (aa298-347) - Images