10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAOA Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5425

Specification

MAOA Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P21397
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=60,45;M=60;R=60 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

MAOA Antibody (C-term) - Additional Information

Gene ID 4128

Antigen Region
465-499

Other Names
Amine oxidase [flavin-containing] A, Monoamine oxidase type A, MAO-A, MAOA

Dilution
WB~~1:1000

Target/Specificity
This MAOA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 465-499 amino acids from the C-terminal region of human MAOA.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MAOA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAOA Antibody (C-term) - 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}

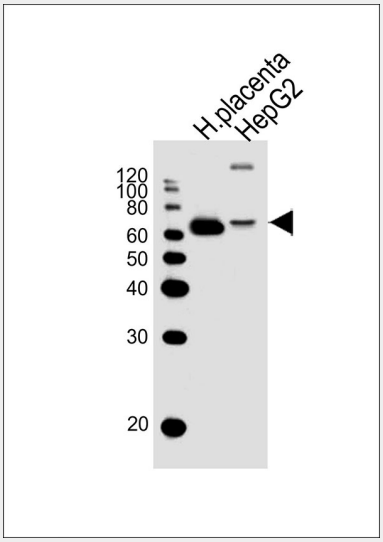
Tissue Location
Heart, liver, duodenum, blood vessels and kidney.

MAOA Antibody (C-term) - 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

MAOA Antibody (C-term) - Images



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

All lanes : Anti-MAOA Antibody (C-term) at 1:1000 dilution Lane 1: human placenta lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 60 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MAOA Antibody (C-term) - 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. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.

MAOA Antibody (C-term) - References

Hsu Y.-P.P.,et al.J. Neurochem. 51:1321-1324(1988).
Bach A.W.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:4934-4938(1988).
Chen Z.-Y.,et al.Nucleic Acids Res. 19:4537-4541(1991).
Grimsby J.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:3637-3641(1991).
Ota T.,et al.Nat. Genet. 36:40-45(2004).