

Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody
Catalog # ABO15568**Specification****Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	P21397
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Additional Information

Gene ID 4128

Other Names

Amine oxidase [flavin-containing] A, 1.4.3.21, 1.4.3.4, Monoamine oxidase type A, MAO-A, MAOA (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6833)
HGNC:6833

Calculated MW

60 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
FC 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Monoamine Oxidase A

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - 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), PubMed:[20493079](http://www.uniprot.org/citations/20493079), PubMed:[24169519](http://www.uniprot.org/citations/24169519), PubMed:[8316221](http://www.uniprot.org/citations/8316221)). Preferentially oxidizes serotonin (PubMed:[20493079](http://www.uniprot.org/citations/20493079), PubMed:[24169519](http://www.uniprot.org/citations/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

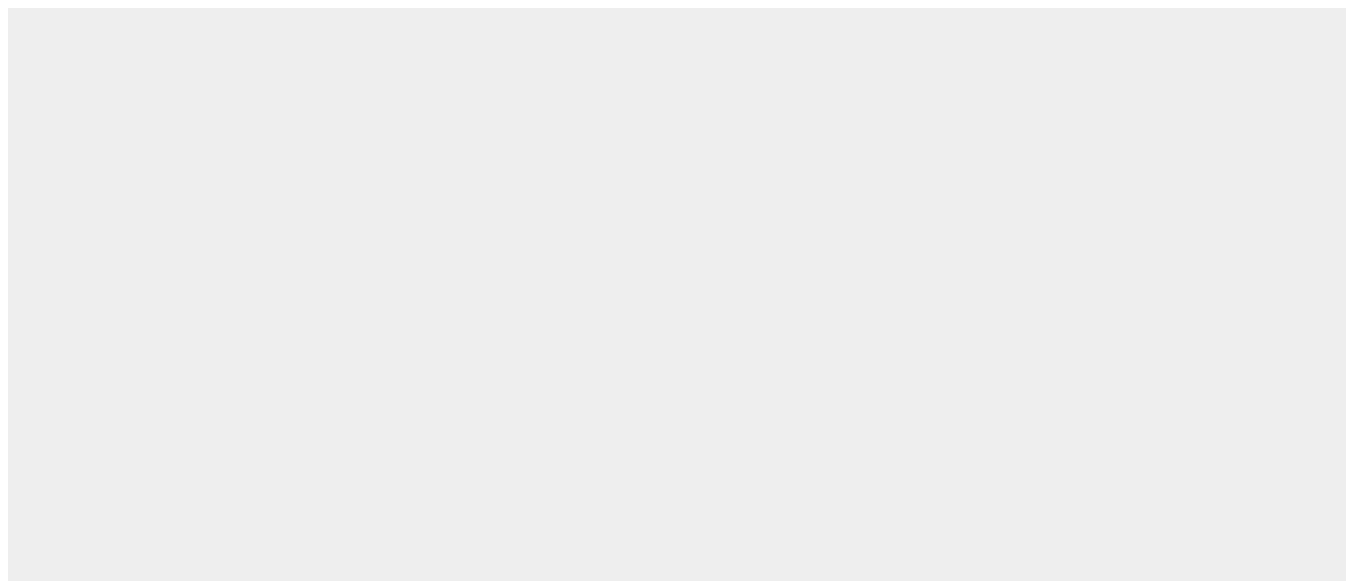
Heart, liver, duodenum, blood vessels and kidney.

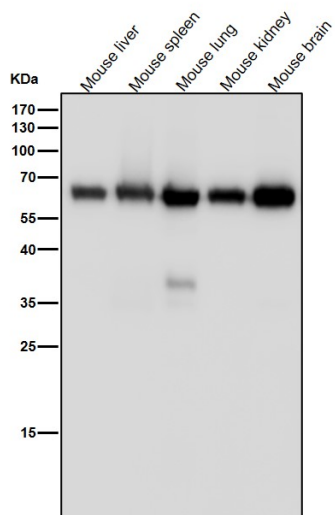
Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Protocols

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

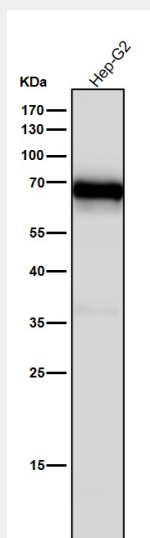
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Images

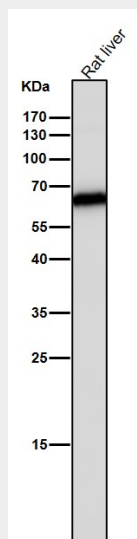




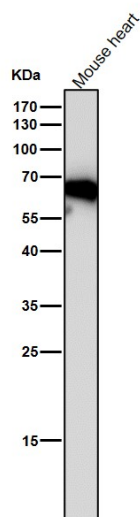
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



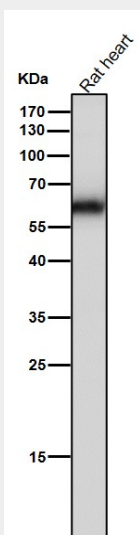
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



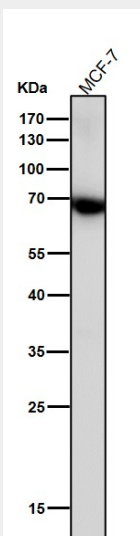
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



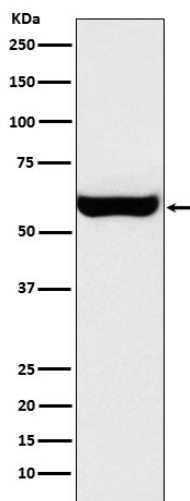
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Western blot analysis of Monoamine Oxidase A expression in HepG2 cell lysate.