

**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	<a href="#">P21397</a>
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](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<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>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:<a href="http://www.uniprot.org/citations/18391214" target="\_blank">18391214</a>, PubMed:<a href="http://www.uniprot.org/citations/20493079" target="\_blank">20493079</a>, PubMed:<a href="http://www.uniprot.org/citations/24169519" target="\_blank">24169519</a>, PubMed:<a href="http://www.uniprot.org/citations/8316221" target="\_blank">8316221</a>). Preferentially oxidizes serotonin (PubMed:<a href="http://www.uniprot.org/citations/20493079" target="\_blank">20493079</a>, PubMed:<a href="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

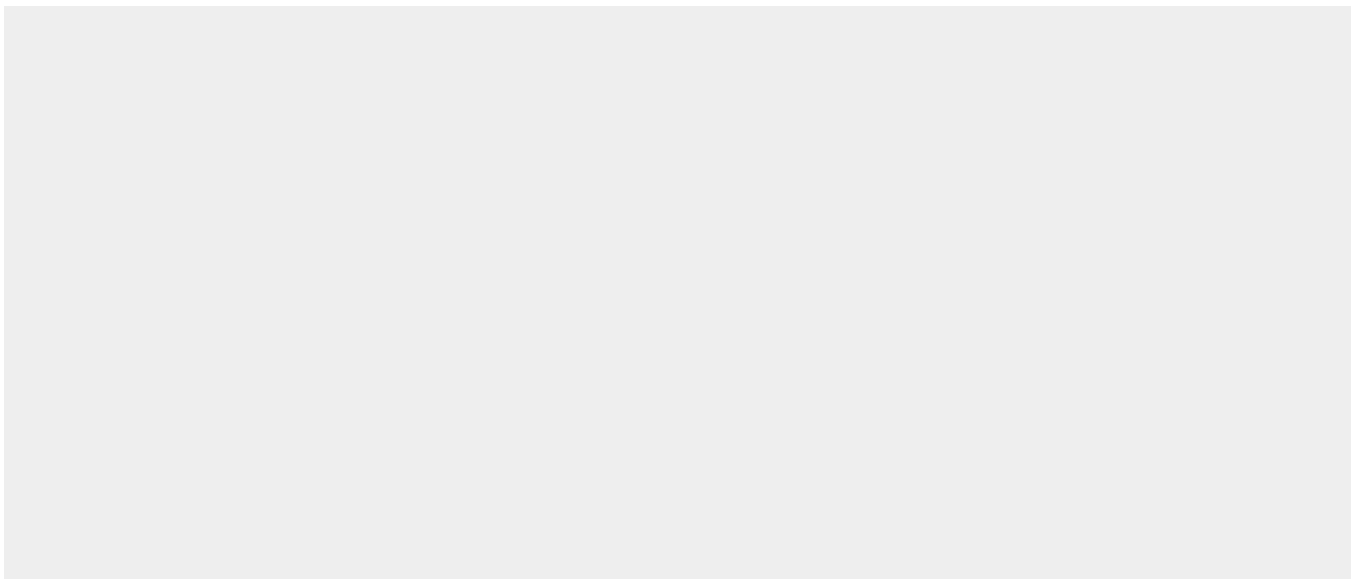
Heart, liver, duodenum, blood vessels and kidney.

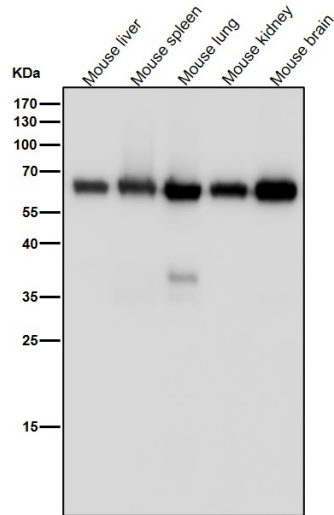
## Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Protocols

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

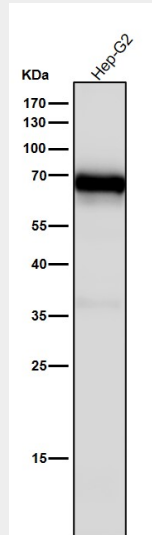
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Monoamine Oxidase A Rabbit Monoclonal Antibody - Images

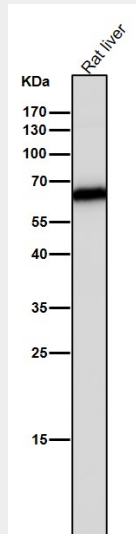




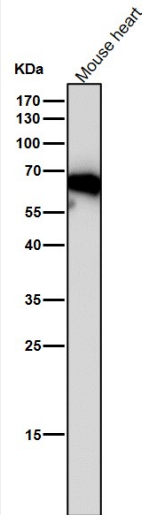
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



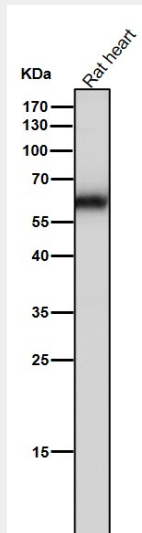
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



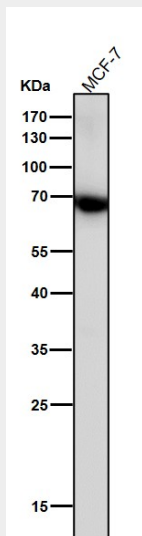
All lanes use the Antibody at 1:4K dilution for 1 hour at room temperature.



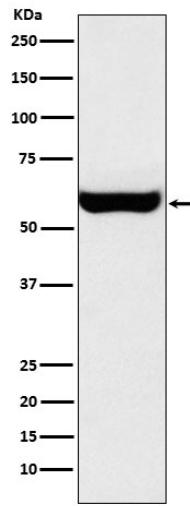
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Western blot analysis of Monoamine Oxidase A expression in HepG2 cell lysate.