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# Monoamine Oxidase A Rabbit mAb

Catalog # AP75734

## Product Information

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|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | P21397 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Calculated MW** | 59682 |

## Additional Information

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|---|---|
| **Gene ID** | 4128 |
| **Other Names** | MAOA |
| **Dilution** | WB~~1/500-1/1000 IHC-P~~N/A |
| **Format** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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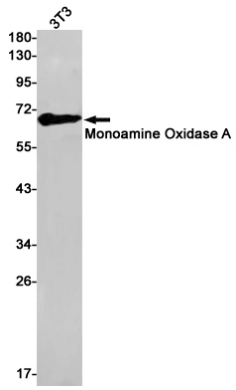
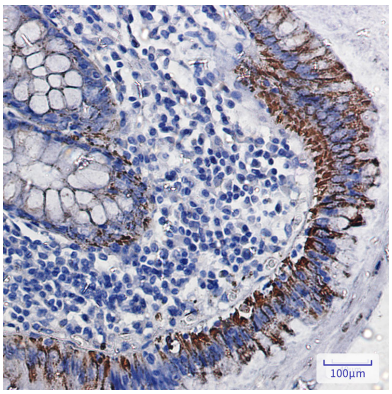
|---|---|
| **Name** | MAOA ( HGNC:6833) |
| **Function** | Catalyzes the oxidative deamination of primary and some secondary amine such as neurotransmitters, with concomitant reduction of oxygen to hydrogen peroxide and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:18391214, PubMed:20493079, PubMed:24169519, PubMed:8316221). 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. |

## Images

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