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Datasheet for ABIN7101625

## anti-Monoamine Oxidase A antibody

### 3 Images

#### Overview

Quantity:	20 µL
Target:	Monoamine Oxidase A (MAOA)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Monoamine Oxidase A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	A synthesized peptide derived from human Monoamine Oxidase A (MAOA) (MAOA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	Monoamine Oxidase A (MAOA)
Alternative Name:	MAOA ( <a href="#">MAOA Products</a> )
Background:	This gene is one of two neighboring gene family members that encode mitochondrial enzymes which catalyze the oxidative deamination of amines, such as dopamine, norepinephrine, and

## Target Details

serotonin. Mutation of this gene results in Brunner syndrome. This gene has also been associated with a variety of other psychiatric disorders, including antisocial behavior. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012],BRNRS, MAO-A,Neurodegenerative Diseases,Neuroscience,MAOA

Molecular Weight: 60 kDa

Gene ID: 4128

UniProt: [P21397](#)

## Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

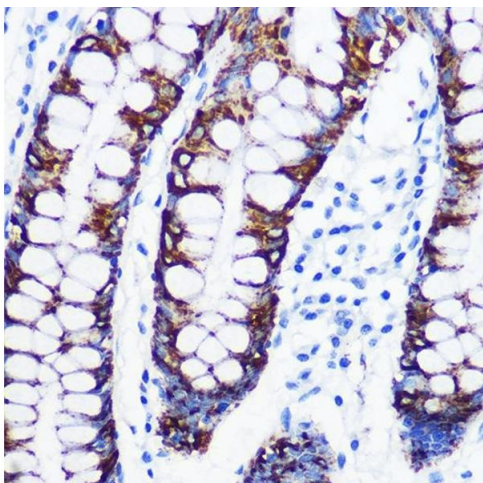
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

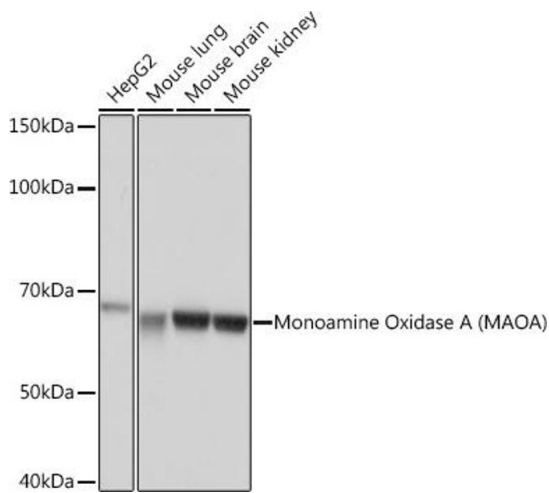
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



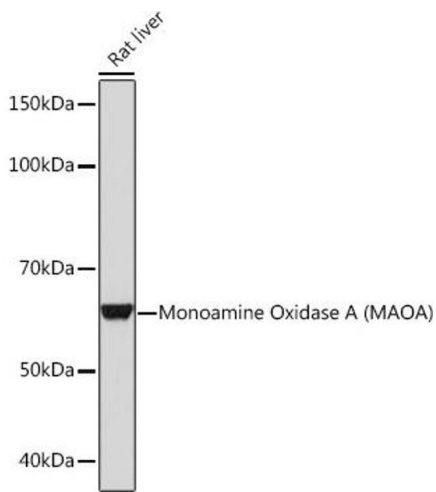
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon using Monoamine Oxidase A (MAOA) (MAOA) Rabbit mAb (ABIN1682632, ABIN3018542, ABIN3018543 and ABIN7101625) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Monoamine Oxidase A (MAOA) (MAOA) Rabbit mAb (ABIN1682632, ABIN3018542, ABIN3018543 and ABIN7101625) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



### Western Blotting

**Image 3.** Western blot analysis of extracts of Rat liver, using Monoamine Oxidase A (MAOA) (MAOA) Rabbit mAb (ABIN1682632, ABIN3018542, ABIN3018543 and ABIN7101625) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.