Datasheet for ABIN7101625

anti-Monoamine Oxidase A antibody

3 Images

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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 (MAOA Products)
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

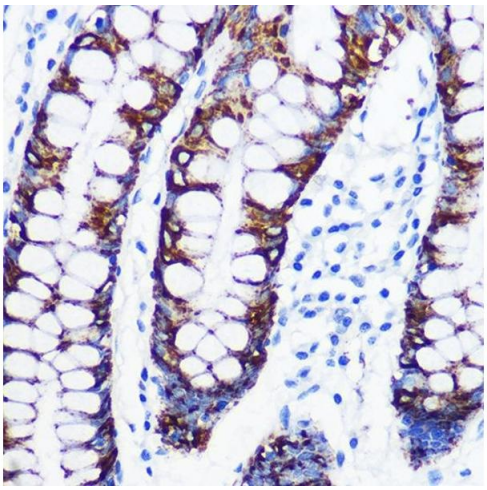
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

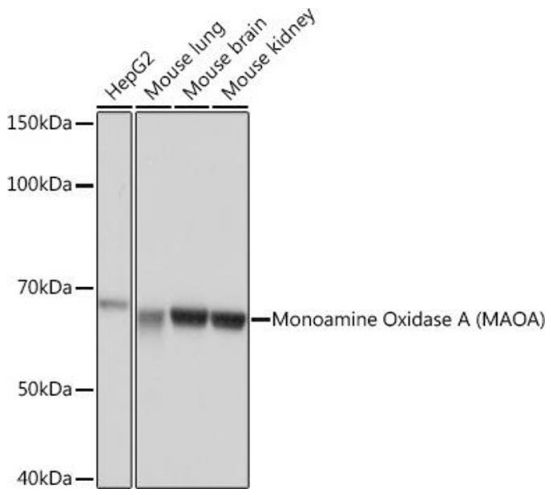
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



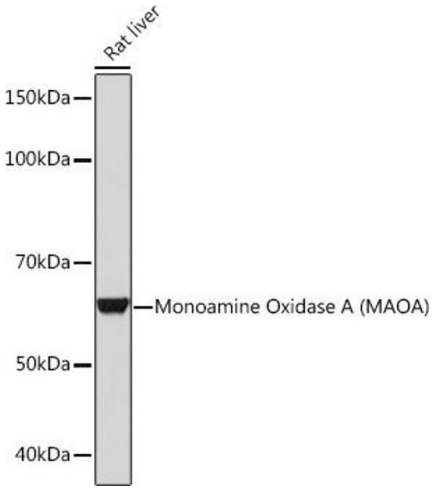
Immunohistochemistry

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.

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