



Datasheet for ABIN2854320

anti-Monoamine Oxidase A antibody (Center)



[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Monoamine Oxidase A (MAOA)
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Monoamine Oxidase A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human monoamine oxidase A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Dog (Canine), Pig (Porcine), Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (89 %), Dog (90 %), Pig (90 %), Rat (90 %), Bovine (89 %)
Characteristics:	Rabbit polyclonal antibody to monoamine oxidase A (monoamine oxidase A) monoamine oxidase A antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Monoamine Oxidase A (MAOA)
Alternative Name:	Monoamine Oxidase A (MAOA Products)
Background:	<p>This gene encodes monoamine oxidase A, an enzyme that degrades amine neurotransmitters, such as dopamine, norepinephrine, and serotonin. The protein localizes to the mitochondrial outer membrane. The gene is adjacent to a related gene on the opposite strand of chromosome X. Mutation in this gene results in monoamine oxidase deficiency, or Brunner syndrome.</p> <p>Cellular Localization: Mitochondrion outer membrane</p>
Molecular Weight:	60 kDa
Gene ID:	4128

Application Details

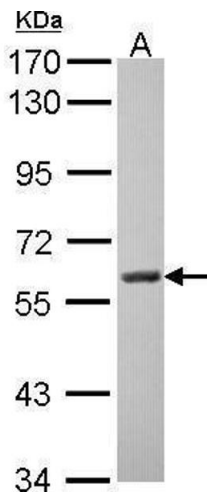
Application Notes:	<p>Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000*</p>
Comment:	Positive Control: HepG2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.33 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

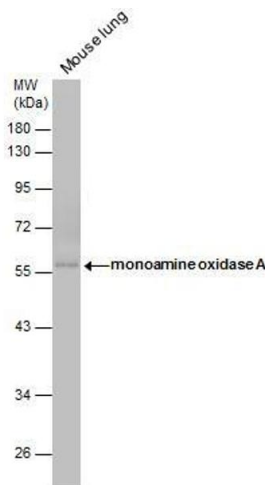
Product cited in: Wu, Yen, Kou, Wu: "Luteolin and Apigenin Attenuate 4-Hydroxy-2-Nonenal-Mediated Cell Death through Modulation of UPR, Nrf2-ARE and MAPK Pathways in PC12 Cells." in: **PLoS ONE**, Vol. 10, Issue 6, pp. e0130599, (2016) ([PubMed](#)).

Validation report #104426 for Immunohistochemistry (IHC)



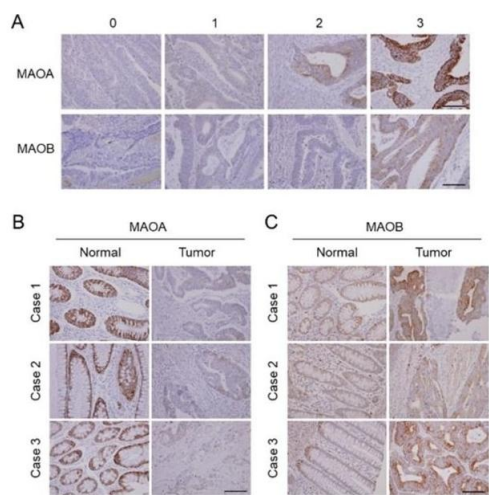
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 7.5% SDS PAGE monoamine oxidase A antibody antibody diluted at 1:1000



Western Blotting

Image 2. WB Image monoamine oxidase A antibody [N2C3] detects monoamine oxidase A protein by western blot analysis. Mouse tissue extracts (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with monoamine oxidase A antibody [N2C3] , diluted at 1:1000.



Immunohistochemistry

Image 3. Immunohistochemical (IHC) results of monoamine oxidase A (MAOA) and MAOB expressions in a Taiwanese colorectal cancer cohort. (A) Representative pictures of expressions of MAOA and MAOB by IHC staining. An intensity score of 0 was defined as negative cytoplasmic staining, of 1 was defined as weak cytoplasmic staining, of 2 was defined as moderate cytoplasmic staining, and of 3 was defined as strong cytoplasmic

staining. Scale bar indicated 100 μm . (B,C) Representative IHC staining images for MAOA (B) and MAOB (C) levels in paired normal (N) and tumor tissues (T) from selected colorectal cancer patients. The magnifying factor used in these representative pictures is x400, and the intensity score of MAOA in the N part was 3. Scale bar indicated 100 μm . (D,E) Quantified results of cytoplasmic levels of MAOA (D) and MAOB (E) from IHC staining in primary colorectal cancer and corresponding normal colon mucosa. A total of 59 N/T paired data were included. The scores were calculated as the staining intensity score x percentage of stained cells. - figure provided by CiteAb. Source: PMID32316576