

Datasheet for ABIN2856231

anti-Monoamine Oxidase B antibody

6 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Monoamine Oxidase B (MAOB)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Monoamine Oxidase B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Monoamine Oxidase B. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Monoamine Oxidase B (monoamine oxidase B) Monoamine Oxidase B antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Monoamine Oxidase B (MAOB)
Alternative Name:	monoamine oxidase B (MAOB Products)

Target Details

Background: The protein encoded by this gene belongs to the flavin monoamine oxidase family. It is a enzyme located in the mitochondrial outer membrane. It catalyzes the oxidative deamination of biogenic and xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine.

Cellular Localization: Mitochondrion outer membrane

Molecular Weight: 59 kDa

Gene ID: 4129

UniProt: [P27338](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. ELISA: 1:1000-1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Mouse liver
Validation: Orthogonal

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.88 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

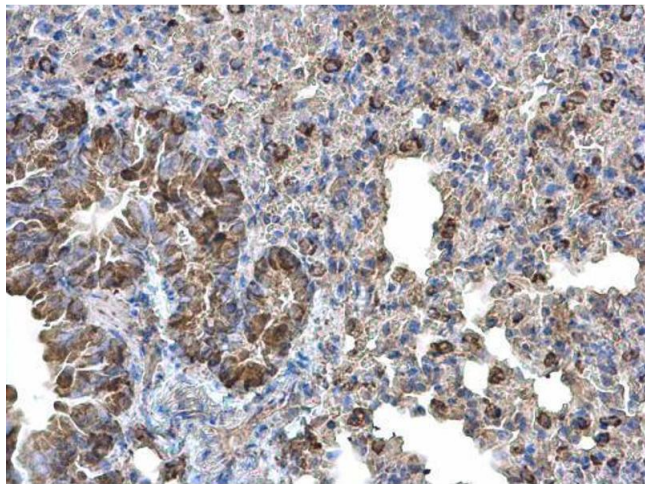
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

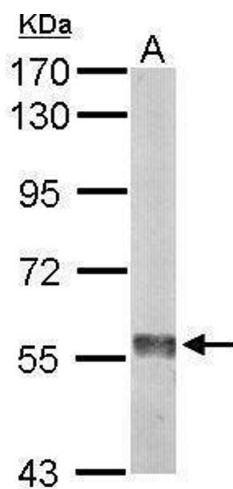
Product cited in: Yang, Chien, Lai, Su, Jan, Hsiao, Chen: "Monoamine Oxidase B Expression Correlates with a Poor Prognosis in Colorectal Cancer Patients and Is Significantly Associated with Epithelial-to-Mesenchymal Transition-Related Gene Signatures." in: **International journal of molecular sciences**, Vol. 21, Issue 8, (2020) ([PubMed](#)).

Images



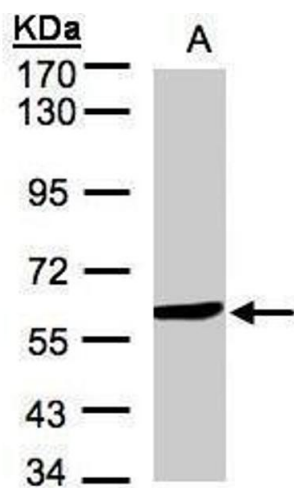
Immunohistochemistry

Image 1. IHC-P Image Monoamine Oxidase B antibody [N2C3] detects Monoamine Oxidase B protein at cytoplasm on mouse lung by immunohistochemical analysis. Sample: Paraffin-embedded mouse lung. Monoamine Oxidase B antibody [N2C3] , diluted at 1:500.



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse liver 7.5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Sample(30 µg of whole cell lysate)
A:Hep G2, 7.5% SDS PAGE antibody diluted at 1:1500

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2856231.