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# anti-Monoamine Oxidase B antibody (C-Term)



## **Images**



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Overview	
Quantity:	100 μg
Target:	Monoamine Oxidase B (MAOB)
Binding Specificity:	AA 448-484, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Amine oxidase [flavin-containing] B(MAOB) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MAOB (448-484aa REILHAMGKIPEDEIWQSEPESVDVPAQPITTTFLER), different from the related mouse sequence by five amino acids, and from the related rat sequence by four amino acids.
Sequence:	REILHAMGKI PEDEIWQSEP ESVDVPAQPI TTTFLER
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Amine oxidase [flavin-containing] B(MAOB) detection. Tested with WB, IHC-P in Human,Mouse,Rat.  Gene Name: monoamine oxidase B  Protein Name: Amine oxidase [flavin-containing] B

# **Product Details** Purification: Immunogen affinity purified. **Target Details** Target: Monoamine Oxidase B (MAOB) Alternative Name MAOB (MAOB Products) Background: MAOB (MONOAMINE OXIDASE B), also called MAO, BRAIN, AMINE OXIDASE (FLAVIN-CONTAINING) B, is a protein that in humans is encoded by the MAOB gene. MAOB is a member of the flavin monoamine oxidase family. And it is mapped on Xp11.3. MAOB 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. Like MAOA, it also degrades dopamine. MAO-B is involved in the breakdown of dopamine, a neurotransmitter implicated in reinforcing and motivating behaviors as well as movement. MAO-B inhibition is, therefore, associated with enhanced activity of dopamine, as well as with decreased production of hydrogen peroxide, a source of reactive oxygen species. Synonyms: Adrenalin oxidase antibody|Amine oxidase (flavin containing) antibody|Amine oxidase [flavin-containing] B antibody|AOFB\_HUMAN antibody|HGNC:6834 antibody|MAO, brain antibody| MAO, platelet antibody|MAO-B antibody|MAOB antibody|MGC26382 antibody|Monoamine oxidase B antibody|Monoamine oxidase type B antibody|OTTHUMP00000023166 antibody|RP1 201D17\_B.1 antibody|Tyramine oxidase antibody Gene ID: 4129 UniProt: P27338

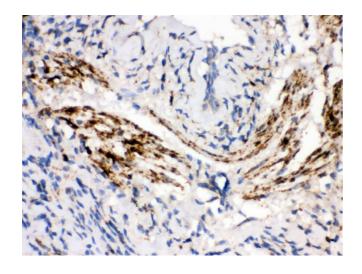
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Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

## **Application Details**

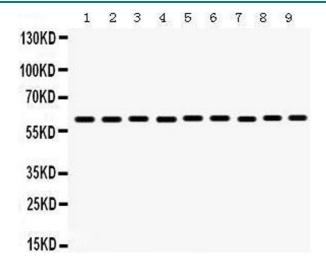
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Validation report #300031 for Immunohistochemistry (IHC)



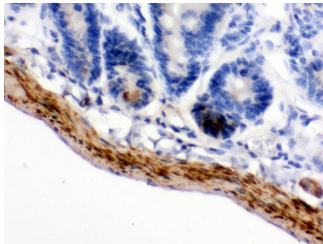
#### Immunohistochemistry

**Image 1.** Anti- MAOB Picoband antibody,IHC(P) IHC(P): Human Lung Cancer Tissue



#### **Western Blotting**

Image 2.



#### **Immunohistochemistry**

**Image 3.** Anti- MAOB Picoband antibody,IHC(P) IHC(P): Mouse Intestine Tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3043873.