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anti-Monoamine Oxidase A antibody (C-Term)





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Quantity:	100 μg	
Target:	Monoamine Oxidase A (MAOA)	
Binding Specificity:	AA 457-493, C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Monoamine Oxidase A antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Amine oxidase [flavin-containing] A(MAOA) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MAOA (457-493aa REVLNGLGKVTEKDIWVQEPESKDVPAVEITHTFWER), different from the related mouse sequence by five amino acids, and from the related rat sequence by six amino acids.	
Sequence:	REVLNGLGKV TEKDIWVQEP ESKDVPAVEI THTFWER	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Amine oxidase [flavin-containing] A(MAOA) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: monoamine oxidase A	

Product Details Protein Name: Amine oxidase [flavin-containing] A Purification: Immunogen affinity purified. Target Details Target: Monoamine Oxidase A (MAOA) Alternative Name: MAOA (MAOA Products) Background: MAOA(Monoamine oxidase A), also known as AMINE OXIDASE (FLAVIN-CONTAINING) A, is an enzyme that in humans is encoded by the MAO-A gene. MAOA is an isozyme of monoamine oxidase which is also mapped on Xp11.3. MAOA degrades amine neurotransmitters, such as dopamine, norepinephrine, and serotonin. The protein localizes to the outer mitochondrial membrane. Mutation in MAOA results in monoamine oxidase deficiency, or Brunner syndrome. In humans, there is a 30-base repeat sequence repeated in one of several different numbers of times in the promoter region of the gene coding for MAOA. MAO-A levels in the brain as measured using positron emission tomography are elevated by an average of 34 % in patients with major depressive disorder. Inhibition of MAOA prevented apoptosis, and serum starvation of cortical brain cells from Maoa-deficient mice resulted in reduced apoptosis compared with wildtype mice. Synonyms: Amine oxidase [flavin containing] A antibody|Amine oxidase [flavin-containing] A antibody|AOFA antibody|AOFA_HUMAN antibody|EC 1.4.3.4 antibody|MAO A antibody|MAO-A antibody|Maoa antibody|Monoamine oxidase A antibody|Monoamine oxidase type A antibody Gene ID: 4128 UniProt: P21397 **Application Details**

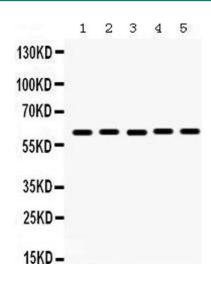
WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by	
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Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required 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.	
Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
ABIN921231 in IHC(P).	

Application Details

Handling

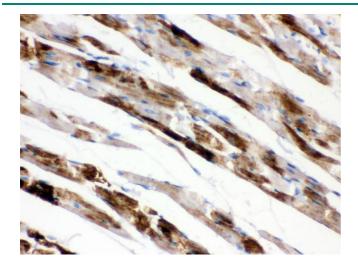
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: 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.	

Images



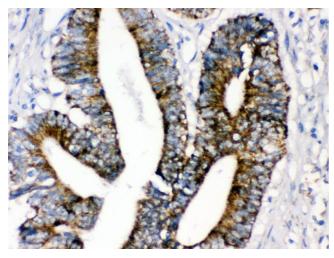
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- MAOA Picoband antibody,IHC(P) IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 3. Anti- MAOA Picoband antibody,IHC(P) IHC(P): Human Intestinal Cancer Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043872.