

Rabbit anti-Mouse, Rat Monoamine Oxidase B Polyclonal Antibody | anti-MAOB antibody

Anti-Monoamine Oxidase B antibody

CATALOG # AAA45023	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Monoamine Oxidase B; Polyclonal Antibody; Anti-Monoamine Oxidase B antibody; Amine oxidase[flavin-containing] B; monoamine oxidase B; Adrenalin oxidase antibody; Amine oxidase(flavin containing) antibody; Amine oxidase[flavin-containing] B antibody; AOFB_HUMAN antibody; HGNC:6834 antibody; MAO; brain antibody; 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; anti-MAOB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	520
Applicable Applications for anti-MAOB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse Monoamine Oxidase B (42-56aa RTYTIRNKNV KYVDL), identical to the related rat sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-MAOB antibody, AAA45023, IHC(P)IHC(P): Rat Liver Tissue



WB (Western Blot)

Anti-MAOB antibody, AAA45023, Western blotting
All lanes: Anti MAOB (AAA45023) at 0.5ug/ml
Lane 1: Mouse Liver Tissue Lysate at 50ug
Lane 2: Mouse Lung Tissue Lysate at 50ug
Lane 3: Rat Kidney Tissue Lysate at 50ug
Lane 4: Rat Brain Tissue Lysate at 50ug
Lane 5: Rat Liver Tissue Lysate at 50ug
Lane 6: Rat Lung Tissue Lysate at 50ug
Predicted bind size: 59KDa
Observed bind size: 59KDa

ADDITIONAL INFORMATION

Related Product Information for anti-MAOB antibody	Description: Rabbit IgG polyclonal antibody for Amine oxidase[flavin-containing] B(MAOB) detection. Tested with WB, IHC-P in Mouse, Rat. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940629
NCBI GeneID	109731
UniProt Accession #	Q8BW75; Q14CG9; Q8C0B2
Molecular Weight	58,558 Da
NCBI Official Full Name	Amine oxidase
NCBI Official Synonym Full Names	monoamine oxidase B
NCBI Official Symbol	Maob
NCBI Official Synonym Symbols	MAO-B; 6330414K01Rik
NCBI Protein Information	amine oxidase [flavin-containing] B; amine oxidase [flavin-containing] B; monoamine oxidase type B
UniProt Protein Name	Amine oxidase [flavin-containing] B
UniProt Gene Name	Maob
UniProt Synonym Gene Names	MAO-B
UniProt Entry Name	AOFB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/monoamine-oxidase-b-antibody-immunohistochemistry-western-blot-elisa/45023>