

Rabbit anti-Human Monoamine Oxidase A Polyclonal Antibody | anti-MAOA antibody

Anti-Monoamine Oxidase A antibody

CATALOG # AAA45090	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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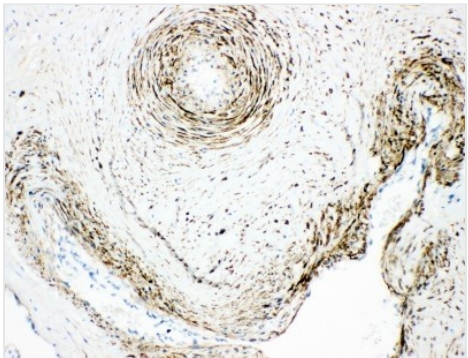
PRODUCT SYNONYMS

Monoamine Oxidase A; Polyclonal Antibody; Anti-Monoamine Oxidase A antibody; Amine oxidase[flavin-containing] A; monoamine oxidase A; 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; Maa antibody; Monoamine oxidase A antibody; Monoamine oxidase type A antibody; anti-MAOA antibody

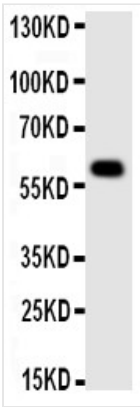
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	527
Applicable Applications for anti-MAOA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Monoamine Oxidase A (51-69aa RTYTIRNEHVDYVDVGGAY).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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-MAOA antibody, AAA45090, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)
Anti-MAOA antibody, AAA45090, Western blottingAll lanes: Anti MAOA (AAA45090) at 0.5ug/mlWB: Human Placenta Tissue Lysate at 50ugPredicted bind size: 60KDObserved bind size: 60KD

ADDITIONAL INFORMATION

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

NCBI GI #	113978
NCBI GeneID	4128
UniProt Accession #	P21397; Q16426; B4DF46
Molecular Weight	44,848 Da
NCBI Official Full Name	Amine oxidase
NCBI Official Synonym Full Names	monoamine oxidase A
NCBI Official Symbol	MAOA
NCBI Official Synonym Symbols	MAO-A
NCBI Protein Information	amine oxidase [flavin-containing] A; amine oxidase [flavin-containing] A; monoamine oxidase type A
UniProt Protein Name	Amine oxidase [flavin-containing] A
UniProt Gene Name	MAOA
UniProt Synonym Gene Names	MAO-A
UniProt Entry Name	AOFA_HUMAN

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.

