



AOFB Polyclonal Antibody

Catalog No	YP-Ab-07282
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	MAOB
Immunogen	Synthesized peptide derived from human protein . at AA range: Internal
Specificity	AOFB Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	6330414K01Rik;MAO-B;AOFB_HUMAN;MAOB;Monoamine oxidase type B (MAO-B);1.4.3.21;1.4.3.4;AOFB_MOUSE;AOFB_RAT;AOFB;Amine oxidase [flavin-containing] B (EC 1.4.3.4) (Monoamine oxidase type B) (MAO-B)
Observed Band	61 kDa
Calculated Molecular Weight	59 kDa
Cell Pathway	Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side.
Tissue Specificity	Brain,
Function	catalytic activity:RCH(2)NHR' + H(2)O + O(2) = RCHO + R'NH(2) + H(2)O(2)., cofactor:FAD.,function:Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOB preferentially degrades benzylamine and phenylethylamine.,mass spectrometry: PubMed:11049757,online information:Monoamine oxidase entry, online information:The Singapore human mutation and polymorphism database, similarity:Belongs to the flavin monoamine oxidase family.,subunit:Monomer, homo- or heterodimer (containing two subunits of similar size). Each subunit contains a covalently bound flavin. Enzymatically active as monomer.,

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images