



# AOFB Monoclonal Antibody

Catalog No	BYmab-07282
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAOB
Protein Name	Amine oxidase [flavin-containing] B (EC 1.4.3.4) (Monoamine oxidase type B) (MAO-B)
Immunogen	Synthesized peptide derived from human protein . at AA range: Internal
Specificity	AOFB Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	57kD
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.,

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**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