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Monoamine Oxidase B Antibody

Rabbit mAb
Catalog # AP91968

Product Information

Application	WB, IHC
Primary Accession	P27338
Reactivity	Human
Clonality	Monoclonal
Other Names	Adrenalin oxidase; MAO, brain; MAO, platelet; MAOB;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	58763

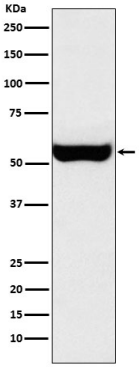
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Monoamine Oxidase B
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	MAOB (HGNC:6834)
Function	Catalyzes the oxidative deamination of primary and some secondary amines such as neurotransmitters, and exogenous amines including the tertiary amine, neurotoxin 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine (MPTP), with concomitant reduction of oxygen to hydrogen peroxide and participates in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:11049757, PubMed:11134050, PubMed:20493079, PubMed:8316221, PubMed:8665924). Preferentially degrades benzylamine and phenylethylamine (PubMed:11049757, PubMed:11134050, PubMed:20493079, PubMed:8316221, PubMed:8665924).
Cellular Location	Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side

Images



Western blot analysis of Monoamine Oxidase B expression in SH-SY5Y cell lysate.