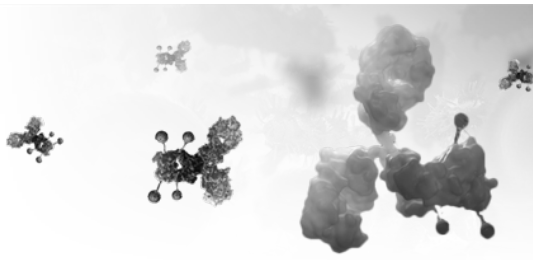

Anti-MAOB polyclonal antibody, clone O3D4 (DPABY-721)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 sysytem and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine. [provided by RefSeq]
Immunogen	Recombinant fragment corresponding to a region within amino acids 163 and 501 of Monoamine Oxidase B (Uniprot ID#P27338)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	O3D4
Purification	Purified by antigen-affinity chromatography.
Conjugate	Unconjugated
Applications	ELISA Pr*, IHC-P, WB
Molecular Weight	59 kDa
Cellular Localization	Mitochondrion outer membrane
Positive Control	HepG2, mouse liver
Format	Liquid

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Concentration	1.03 mg/ml
Size	25 µl
Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Preservative	None
Storage	Keep as concentrated solution. Aliquot and store at -29℃ or below. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	MAOB monoamine oxidase B [Homo sapiens (human)]
Official Symbol	MAOB
Synonyms	MAOB; monoamine oxidase B; amine oxidase [flavin-containing] B; MAO-B; MAO, brain; MAO, platelet; tyramine oxidase; adrenalin oxidase; monoamine oxidase type B;
Entrez Gene ID	4129
Protein Refseq	NP_000889
UniProt ID	P27338
Chromosome Location	Xp11.23
Pathway	Alcoholism; Alpha-synuclein signaling; Amine Oxidase reactions; Amphetamine addiction; Arginine and proline metabolism; Biological oxidations; Cocaine addiction; Dopamine metabolism;
Function	electron carrier activity; flavin adenine dinucleotide binding; primary amine oxidase activity; protein homodimerization activity;

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