PPOX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPOX, Polyclonal Antibody
Full Product Name	PPOX
Product Gene Name	anti-PPOX antibody
Product Synonym Names	PPO; V290M; VP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	51kDa
OMIM	176200
3D Structure	ModBase 3D Structure for P50336
Immunogen	Recombinant protein of human PPOX
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPOX antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-PPOX antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:100
Related Product Information for anti-PPOX antibody	This gene encodes the penultimate enzyme of heme biosynthesis, which catalyzes the 6-electron oxidation of protoporphyrinogen IX to form protoporphyrin IX. Mutations in this gene cause variegate porphyria, an autosomal dominant disorder of heme metabolism resulting from a deficiency in protoporphyrinogen oxidase, an enzyme located on the inner mitochondrial membrane. Alternatively spliced transcript variants encoding the same protein have been identified.
Other Notes	Small volumes of anti-PPOX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPOX purchase	MBS8535911 is an antibody targeting PPOX. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPOX. It may not necessarily be applicable to this product.

NCBI GI #	4506001
NCBI GeneID	5498
NCBI Accession #	NP_000300.1

UniProt Primary Accession #	P50336
UniProt Secondary Accession #	Q5VTW8; D3DVG0
UniProt Related Accession #	P50336
GenBank Nucleotide #	NM_000309.4
NCBI Official Full Name	protoporphyrinogen oxidase isoform 1
NCBI Official Synonym Full Names	protoporphyrinogen oxidase
NCBI Official Symbol	PPOX
NCBI Official Synonym Symbols	VP; PPO; V290M
UniProt Protein Name	Protoporphyrinogen oxidase
UniProt Gene Name	PPOX
UniProt Synonym Gene Names	PPO
NCBI Protein Information	protoporphyrinogen oxidase
UniProt Comments for PPOX	Catalyzes the 6-electron oxidation of protoporphyrinogen-IX to form protoporphyrin-IX.
Research Articles on PPOX	**1.** the regulation of PPOX gene expression can also occur through a post-transcriptional modulation of the amount of gene product and this modulation can be mediated by 5' untranslated exon 1.
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