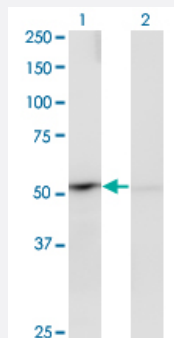


PPOX monoclonal antibody (M02), clone 2C10

Catalog # H00005498-M02

Size 100 ug

Applications

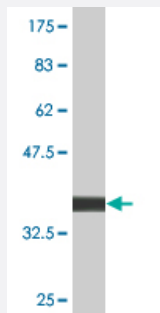


Western Blot (Transfected lysate)

Western Blot analysis of PPOX expression in transfected 293T cell line by PPOX monoclonal antibody (M02), clone 2C10.

Lane 1: PPOX transfected lysate (Predicted MW: 50.8 kDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.74 kDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PPOX.
Immunogen	PPOX (AAH02357, 378 a.a. ~ 477 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Sequence	EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQKLESARQFLTAHR LPLTLGASYEGVAVNDCIESGRQAAVSVLGTEPNS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PPOX expression in transfected 293T cell line by PPOX monoclonal antibody (M02), clone 2C10.

Lane 1: PPOX transfected lysate (Predicted MW: 50.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PPOX

Entrez GeneID

[5498](#)

GeneBank Accession#

[BC002357](#)

Protein Accession#

[AAH02357](#)

Gene Name

PPOX

Gene Alias

MGC8485, PPO, V290M, VP

Gene Description

protoporphyrinogen oxidase

Omim ID

[176200](#) [600923](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000032237|OTTHUMP00000032238|variegate porphyria

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)