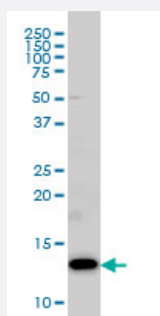


COX5B monoclonal antibody (M03), clone 1E8

Catalog # H00001329-M03

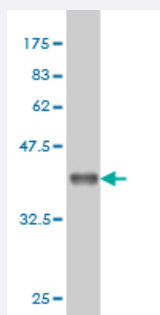
Size 100 ug

Applications



Western Blot (Cell lysate)

COX5B monoclonal antibody (M03), clone 1E8 Western Blot analysis of COX5B expression in HepG2 (Cat # L019V1).



Western Blot detection against Immunogen (35.86 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant COX5B.

Immunogen

COX5B (NP_001853, 37 a.a. ~ 128 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

VPTDEEQATGLEREIMLAACKGLDPYNVLAPKGASGTREDPNLVPSISNKRIVGCICEEDNTSVVW
FWLHKGEAQRCPRCGAHYKLVPPQLA

Host

Mouse

Reactivity

Human

Isotype

IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.86 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 (Cell lysate)

COX5B monoclonal antibody (M03), clone 1E8 Western Blot analysis of COX5B expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — COX5B

Entrez GeneID

[1329](#)

GeneBank Accession#

[NM_001862](#)

Protein Accession#

[NP_001853](#)

Gene Name

COX5B

Gene Alias

COXVB

Gene Description

cytochrome c oxidase subunit Vb

Omim ID

[123866](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme. [provided by RefSeq]

Other Designations

cytochrome c oxidase polypeptide VB, mitochondrial

Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)