

COX6B1 monoclonal antibody (M01), clone 5D3

Catalog # : H00001340-M01

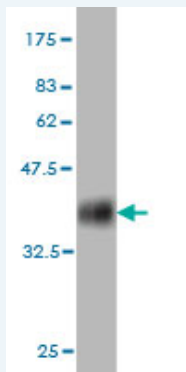
規格 : [50 ug]

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Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant COX6B1.
Immunogen:	COX6B1 (NP_001854, 1 a.a. ~ 86 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAEDMETKIKNYKTAPFDSRFPNQNRNCWQNYLDFHRCQKAMTAKG GDISVCEWYQRVYQSLCPTSWVTDWDEQRAEGTFPGKI
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.2 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [Download](#)

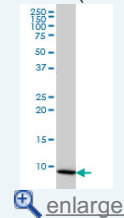
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

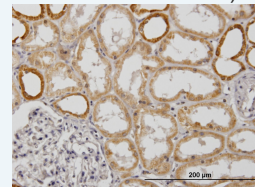
Application Image

Western Blot (Cell lysate)



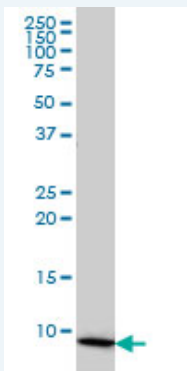
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



[enlarge](#)

ELISA



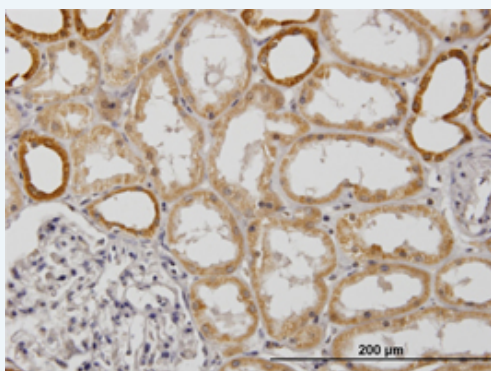
COX6B1 monoclonal antibody (M01), clone 5D3 Western Blot analysis of COX6B1 expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to COX6B1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 0.3 ug/ml]

[Protocol Download](#)

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Gene Information

Entrez GeneID: [1340](#)

GeneBank [NM_001863](#)
Accession#:

Protein [NP_001854](#)
Accession#:

Gene Name: COX6B1

Gene Alias: COX6B, COXG

Gene Description: cytochrome c oxidase subunit Vlb polypeptide 1 (ubiquitous)

Omim ID: [124089](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-

encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively. [provided by RefSeq

Other Designations: cytochrome c oxidase subunit VIb, human cytochrome oxidase subunit VIb

Gene Pathway

[Alzheimer's disease](#) [Cardiac muscle contraction](#) [Huntington's disease](#) [Metabolic pathways](#)
[Oxidative phosphorylation](#) [Parkinson's disease](#)

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