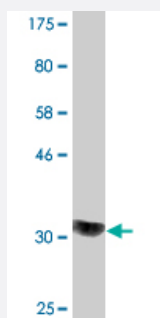


COQ2 monoclonal antibody (M03), clone 2B4

Catalog # H00027235-M03

Size 100 ug

Applications



Western Blot detection against Immunogen (31.13 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant COQ2.
Immunogen	COQ2 (NP_056512.3, 84 a.a. ~ 132 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AAGAPHGGDLQPPACPEPRGRQLSLSAAVVDSAPRPLQPYLRMLRLDK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (80)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.13 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 (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — COQ2

Entrez GeneID	27235
GeneBank Accession#	NM_015697
Protein Accession#	NP_056512.3
Gene Name	COQ2
Gene Alias	CL640, FLJ26072
Gene Description	coenzyme Q2 homolog, prenyltransferase (yeast)
Omim ID	607426 609825
Gene Ontology	Hyperlink
Gene Summary	CoQ (ubiquinone) serves as a redox carrier in the mitochondrial respiratory chain and is a lipid-soluble antioxidant. COQ2, or parahydroxybenzoate-polyprenyltransferase (EC 2.5.1.39), catalyzes one of the final reactions in the biosynthesis of CoQ, the prenylation of parahydroxybenzoate with an all-trans polyprenyl group (Forsgren et al., 2004 [PubMed 15153069]).[supplied by OMIM]
Other Designations	para-hydroxybenzoate-polyprenyltransferase, mitochondrial

Pathway

- [Ubiquinone and other terpenoid-quinone biosynthesis](#)

Disease

- [Disease Progression](#)

- [Kidney Failure](#)
- [Nephrotic Syndrome](#)