

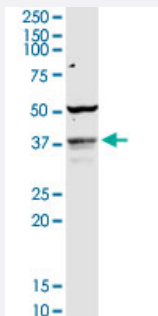
MaxPab®

COQ3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00051805-D01P

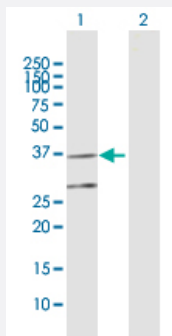
Size 100 ug

Applications



Western Blot (Tissue lysate)

COQ3 MaxPab rabbit polyclonal antibody. Western Blot analysis of COQ3 expression in mouse liver.

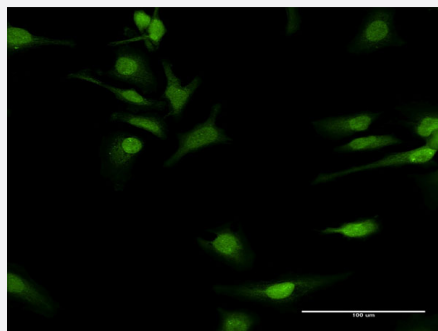


Western Blot (Transfected lysate)

Western Blot analysis of COQ3 expression in transfected 293T cell line ([H00051805-T02](#)) by COQ3 MaxPab polyclonal antibody.

Lane 1: COQ3 transfected lysate(41.00 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to COQ3 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human COQ3 protein.

Immunogen	COQ3 (AAH63463.1, 1 a.a. ~ 369 a.a) full-length human protein.
Sequence	MWSGRKLGSSGGWFLRVLGPGGCNTKAARPLISSAVYVKNQLSGTLQIKPGVFNEYRTWFKSYR TIFSCLNRIKSFYRPWARLYSTSQTTVDSGEVKTFLALAHKWWDEQGVYAPLHSMNDLRVPFIRD NLLKTIPNHQPGKPLLGMKILDVGC GG L L T E P L G R L G A S V I G I D P V D E N I K T A Q C H K S F D P V L D K R I E Y R V C S L E E M E E T A E T F D A V V A S E V V E H V I D L E T F L Q C C C Q V L K P G G S L F I T T I N K T Q L S Y A L G M F S E Q I A G I N P K G T H T W E K F V S P E T L E S I L E S N G L S V Q T V V G M L Y N P F S G Y W H W S E N T S L N Y A A H A V K S R V Q E H P A S A E F V L K G E T E E L Q A N A C T N P A V H E K L K K
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (73); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Tissue lysate)

COQ3 MaxPab rabbit polyclonal antibody. Western Blot analysis of COQ3 expression in mouse liver.

[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to COQ3 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — COQ3

Entrez GeneID [51805](#)

GeneBank Accession#	BC063463.1
Protein Accession#	AAH63463.1
Gene Name	COQ3
Gene Alias	UG0215E05, bA9819.1
Gene Description	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)
Omim ID	605196
Gene Ontology	Hyperlink
Gene Summary	<p>Ubiquinone, also known as coenzyme Q, or Q, is a critical component of the electron transport pathways of both eukaryotes and prokaryotes (Jonassen and Clarke, 2000 [PubMed 10777520]). The lipid consists of a hydrophobic isoprenoid tail and a quinone head group. The tail varies in length depending on the organism, but its purpose is to anchor coenzyme Q to the membrane. The quinone head group is responsible for the activity of coenzyme Q in the respiratory chain. The S. cerevisiae COQ3 gene encodes an O-methyltransferase required for 2 steps in the biosynthetic pathway of coenzyme Q. This enzyme methylates an early coenzyme Q intermediate, 3,4-dihydroxy-5-polyprenylbenzoic acid, as well as the final intermediate in the pathway, converting demethyl-ubiquinone to coenzyme Q. The COQ3 gene product is also capable of methylating the distinct prokaryotic early intermediate 2-hydroxy-6-polyprenyl phenol.[supplied by OMIM]</p>
Other Designations	OTTHUMP00000016892 methyltransferase COQ3

Pathway

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

Disease

- [Spinal Dysraphism](#)