

COX17 rabbit monoclonal antibody

Catalog # H00010063-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COX17 peptide using ARM Technology.
Immunogen	A synthetic peptide of human COX17 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human COX17 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — COX17

Entrez GeneID	10063
GeneBank Accession#	COX17
Gene Name	COX17
Gene Alias	MGC104397, MGC117386
Gene Description	COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)
Omim ID	604813
Gene Ontology	Hyperlink
Gene Summary	<p>Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component 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 function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be involved in the recruitment of copper to mitochondria for incorporation into the COX apoenzyme. This protein shares 92% amino acid sequence identity with mouse and rat Cox17 proteins. This gene is no longer considered to be a candidate gene for COX deficiency. A pseudogene COX17P has been found on chromosome 13. [provided by RefSeq]</p>
Other Designations	COX17 homolog, cytochrome c oxidase assembly protein human homolog of yeast mitochondrial copper recruitment

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)