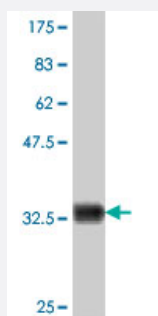


# COX17 polyclonal antibody (A01)

Catalog # H00010063-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (33.04 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant COX17.
<b>Immunogen</b>	COX17 (NP_005685, 1 a.a. ~ 63 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	MPGLVDSNPAPPESQEKKPLKPCCACPETKKARDACIIKGEEHCGHLIEAHKECMRALGFKI
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (92); Rat (92)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.04 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — COX17

Entrez GeneID [10063](#)

GeneBank Accession# [NM\\_005694](#)

Protein Accession# [NP\\_005685](#)

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** 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]

**Other Designations** COX17 homolog, cytochrome c oxidase assembly protein|human homolog of yeast mitochondrial copper recruitment

## Pathway

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