



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## COX17 monoclonal antibody (M01), clone 4G2

Catalog # : H00010063-M01

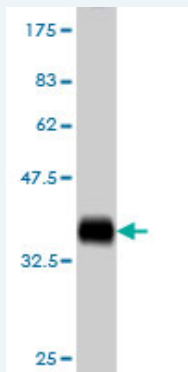
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal 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. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MPGLVDSNPAPPESQEKKPLKPCACPETKKARDACIIKGGEEHCGHLIEAHKECMRALGFKI
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (32.67 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](#)

### Publication Reference

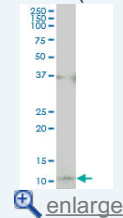
- [Dysregulation of intracellular copper homeostasis is common to transgenic mice expressing human mutant superoxide dismutase-1s regardless of their copper-binding abilities.](#)  
Tokuda E, Okawa E, Watanabe S, Ono SI, Marklund SL. Neurobiol Dis. 2013 Jan 13. doi:pii: S0969-9961(13)00013-2. 10.1016/j.nbd.2013.01.001. [Epub ahead of print]

### Applications

**Western Blot (Cell lysate)**

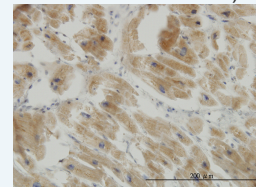
### Application Image

Western Blot (Cell lysate)

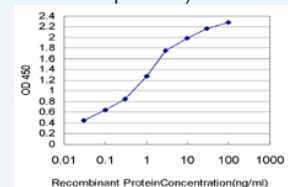


Western Blot (Recombinant protein)

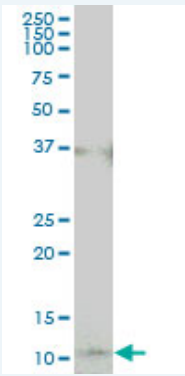
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Sandwich ELISA (Recombinant protein)



ELISA



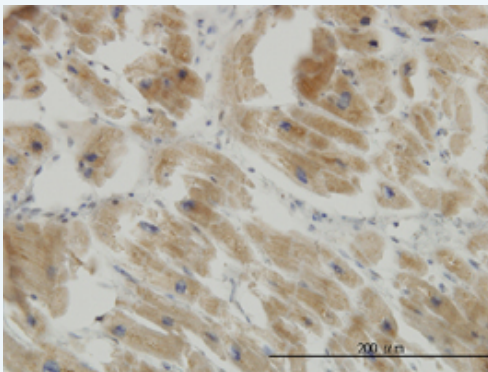
COX17 monoclonal antibody (M01), clone 4G2. Western Blot analysis of COX17 expression in IMR-32.

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

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

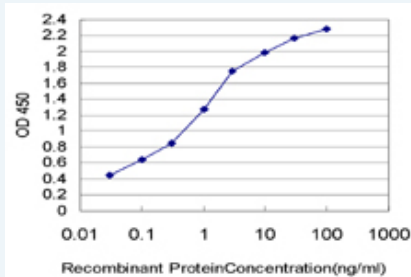


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to COX17 on formalin-fixed paraffin-embedded human heart. [antibody concentration 3 ug/ml]

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged COX17 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [10063](#)

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

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

Gene Name: COX17

Gene Alias: MGC104397, MGC117386

**Gene** COX17 cytochrome c oxidase assembly homolog (S. cerevisiae)

**Description:**

**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

**Gene Pathway**

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