

Anti-COX11 antibody

Cat. No.	ml220473
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-COX11 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human COX11
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	COX11
Full name	cytochrome c oxidase assembly homolog 11 (yeast)

Synonyms COX11P

Swissprot Q9Y6N1

Target Background

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 a heme A biosynthetic enzyme involved in COX formation, according to the yeast mutant studies. However, the studies in *Rhodobacter sphaeroides* suggest that this gene is not required for heme A biosynthesis, but required for stable formation of the Cu(B) and magnesium centers of COX. This human protein is predicted to contain a transmembrane domain localized in the mitochondrial inner membrane. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene has been found on chromosome 6.

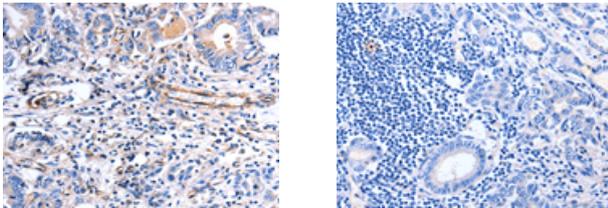
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm, Cell membrane

Positive control: Human stomach cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human stomach cancer tissue using ml220473(COX11 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 31 kDa

Positive control: Mouse brain tissue

Recommended dilution: 1000-5000

订购热线: 4008-898-798

Gel: 10%SDS-PAGE

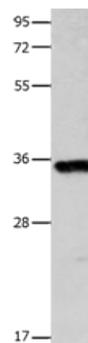
Lysate: 40 μ g

Lane: Mouse brain tissue

Primary antibody: ml220473(COX11 Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 15 seconds



ELISA

Recommended dilution: 2000-10000

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