

COX-4 Antibody
Catalog # ASM10548**Specification**

COX-4 Antibody - Product Information

Application	WB, ICC
Primary Accession	P13073
Other Accession	NP_001305715.1
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	FITC

Description

Rabbit Anti-Human COX-4 Polyclonal

Target/Specificity

Detects ~16 kDa.

Other Names

COX4I2 Antibody, COX IV Antibody, COX41_HUMAN Antibody, COX4B Antibody, Cytochrome C Oxidase subunit IV Antibody, Cytochrome c oxydase subunit 4 Antibody, COX4I1 Antibody, AL024441 Antibody, COX4 Antibody, Cytochrome c oxidase subunit 4 isoform 1 mitochondrial Antibody, COX IV-1 Antibody, dj857M17.2 Antibody, Cytochrome c oxidase subunit IV isoform 1 Antibody, COX IV 1 Antibody, COX4L2 Antibody, Cytochrome c oxidase polypeptide IV Antibody, MGC72016 Antibody, COX 4 Antibody, Cytochrome c oxidase subunit 4 isoform 1, mitochondrial Antibody, Cytochrome c oxidase subunit 4 isoform 1, COXIV Antibody, Cox4a Antibody, mitochondrial Antibody, Cytochrome c oxidase subunit IV isoform 2 (lung) Antibody, MGC105470 Antibody, Cox4 Antibody

Immunogen

Synthetic peptide of Human COX-4

Purification

Peptide Affinity Purified

Storage	-20°C
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Storage Buffer

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature	Blue Ice or 4°C
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Certificate of Analysis

A 1:1000 dilution of SPC-688 was sufficient for detection of COX-4 in 15 µg of Human HeLa Cell Lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Cellular Localization

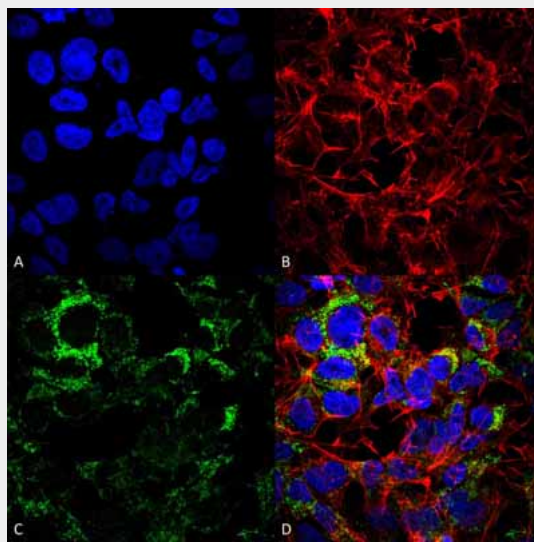
Mitochondrion Inner Membrane

COX-4 Antibody - Protocols

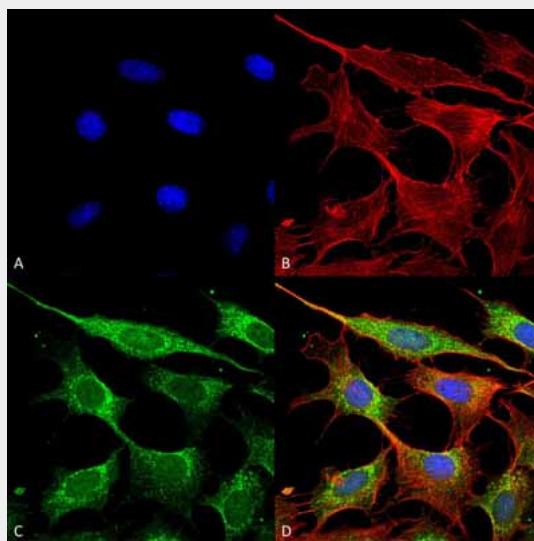
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COX-4 Antibody - Images

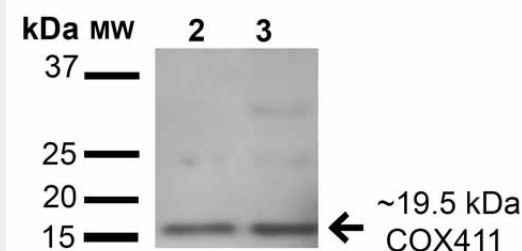


Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm, Mitochondrion. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) COX-4 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-COX-4 Polyclonal Antibody

(ASM10548). Tissue: NIH 3T3 (Mouse Fibroblast cell line). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Mitochondrion Inner Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) COX-4 Antibody (D) Composite.



Western blot analysis of Human A549 cell lysates showing detection of 19.5 kDa COX-4 protein using Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548). Lane 1: Molecular Weight Ladder (MW). Lane 2: Human A549 cell lysates. Load: 15 μ g . Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 19.5 kDa.