

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

|                                    |                                |
|------------------------------------|--------------------------------|
| Application                        | WB, ICC                        |
| Primary Accession                  | <a href="#">P13073</a>         |
| Other Accession                    | <a href="#">NP_001305715.1</a> |
| Host                               | Rabbit                         |
| Reactivity                         | Human, Mouse, Rat              |
| Clonality                          | Polyclonal                     |
| <b>Description</b>                 |                                |
| 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

**Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature

Blue Ice or 4°C

**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**

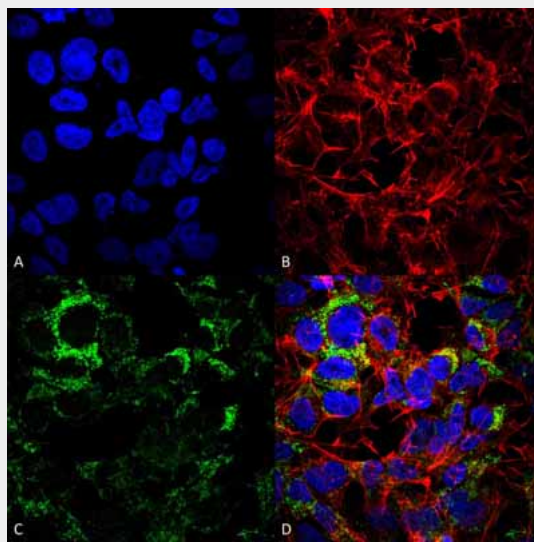
Mitochondrion Inner Membrane

**COX-4 Antibody - Protocols**

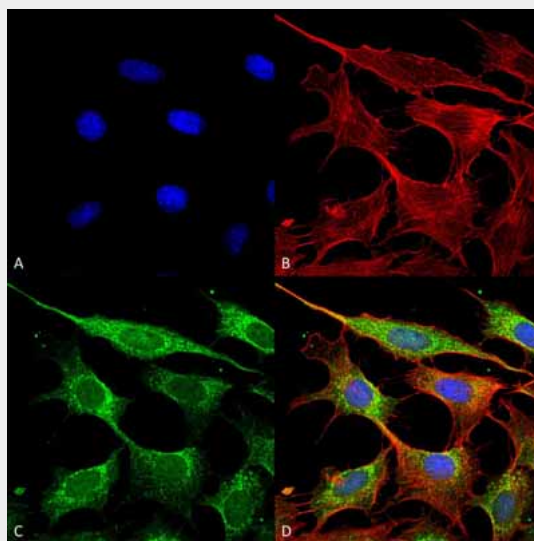
Provided below are standard protocols that you may find useful for product applications.

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

### COX-4 Antibody - Images

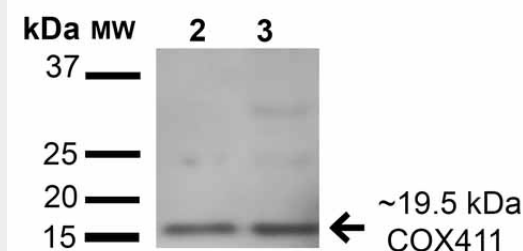


Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-COX-4 Polyclonal Antibody (ASM10548) at 1:100 for 60 min at RT. 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  $\mu$ 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.