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Datasheet for ABIN5066542

anti-COX IV antibody (Alkaline Phosphatase (AP))

3 Images

Overview

Quantity:	100 µg
Target:	COX IV (COX4I1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is conjugated to Alkaline Phosphatase (AP)
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide of Human COX-4
Isotype:	IgG
Specificity:	Ubiquitous., Detects ~16 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Peptide Affinity Purified

Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COX-4 (COX4I1 Products)
Gene ID:	1327
NCBI Accession:	NP_001305715

Target Details

UniProt: [P13073](#)

Pathways: [Proton Transport](#)

Application Details

Application Notes:

- WB (1:1000)
- ICC/IF (1:100)
- optimal dilutions for assays should be determined by the user.

Comment: A 1:1000 dilution of ABIN5066542 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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

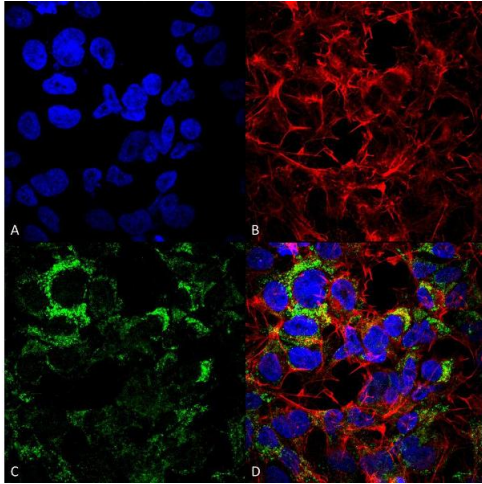
Buffer: PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

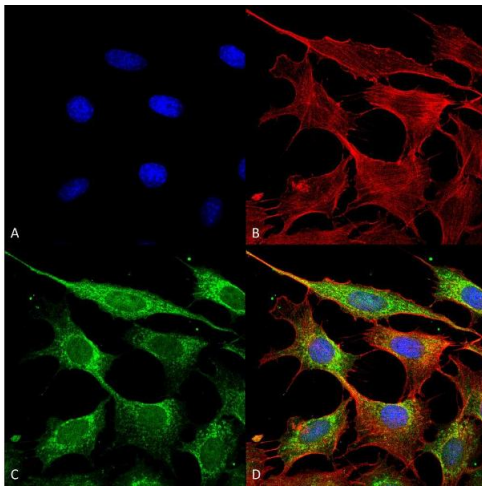
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



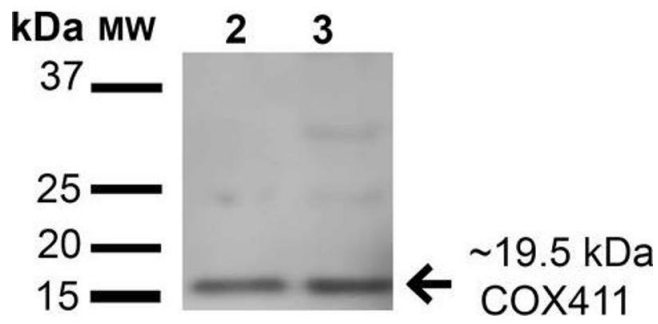
Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-COX-4 Polyclonal Antibody . 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 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.



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-COX-4 Polyclonal Antibody . 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 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 Blotting

Image 3. Western blot analysis of Human A549 cell lysates showing detection of 19.5 kDa COX-4 protein using Rabbit Anti-COX-4 Polyclonal Antibody . 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 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.