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COX4NB Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20313c

Specification

COX4NB Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O43402
Other Accession	Q5FVL2, O70378, Q32KL5
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23773**
Antigen Region	**78-106**

COX4NB Antibody (Center) - Additional Information

Gene ID 10328

Other Names
ER membrane protein complex subunit 8, Neighbor of COX4, Protein FAM158B, EMC8, C16orf2, C16orf4, COX4AL, COX4NB, FAM158B, NOC4

Target/Specificity
This COX4NB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-106 amino acids from the Central region of human COX4NB.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
COX4NB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COX4NB Antibody (Center) - Protein Information

Name EMC8

Synonyms C16orf2, C16orf4, COX4AL, COX4NB, FAM158

Function Part of the endoplasmic reticulum membrane protein complex (EMC) that enables the energy-independent insertion into endoplasmic reticulum membranes of newly synthesized membrane proteins (PubMed:29242231, PubMed:29809151, PubMed:30415835, PubMed:32439656, PubMed:32459176). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed:29242231, PubMed:29809151, PubMed:30415835). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed:29809151, PubMed:30415835). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed:29242231, PubMed:29809151). By mediating the proper cotranslational insertion of N-terminal transmembrane domains in an N-exo topology, with translocated N- terminus in the lumen of the ER, controls the topology of multi-pass membrane proteins like the G protein-coupled receptors (PubMed:30415835). By regulating the insertion of various proteins in membranes, it is indirectly involved in many cellular processes (Probable).

Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side

Tissue Location
Expressed in liver, pancreas, heart, lung, kidney, brain, skeletal muscle, and placenta. Expression levels are highest in pancreas and moderate in heart, skeletal muscle, and placenta

COX4NB Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

COX4NB Antibody (Center) - Images

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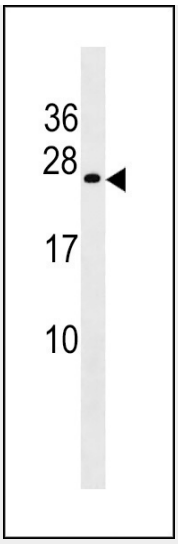

COX4NB Antibody (Center) (Cat. #AP20313c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the COX4NB antibody detected the COX4NB protein (arrow).

COX4NB Antibody (Center) - Background

The function of this protein remains unknown.