

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 , Q70378 , 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

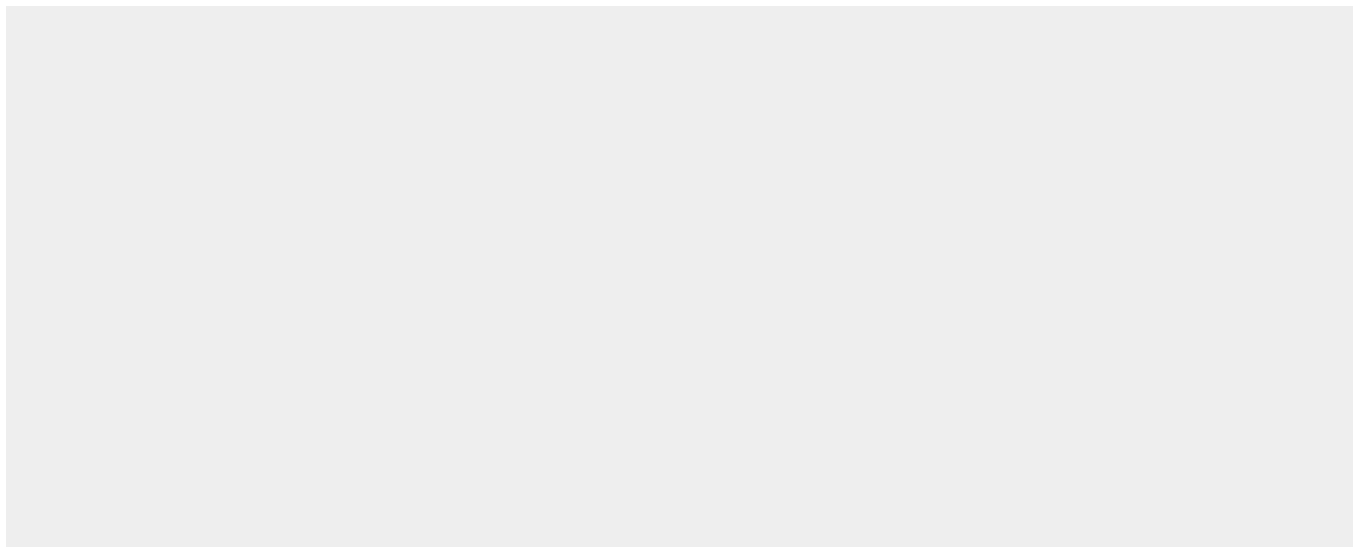
Expressed in liver, pancreas, heart, lung, kidney, brain, skeletal muscle, and placenta. Expression levels are highest in pancreas and moderate in heart, skeletal muscle, and placenta

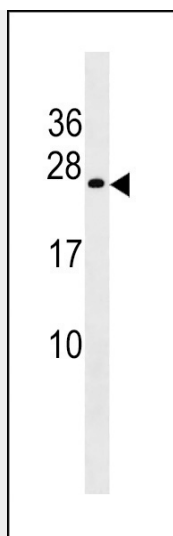
COX4NB Antibody (Center) - Protocols

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

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

COX4NB Antibody (Center) - Images





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.