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COX4NB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20313c

Product Information

Application	WB, E
Primary Accession	O43402
Other Accession	Q5FVL2, O70378, Q32KL5
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40466
Calculated MW	23773
Antigen Region	78-106

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.

Protein Information

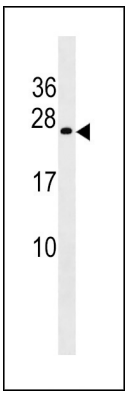
Name	EMC8
Synonyms	C16orf2, C16orf4, COX4AL, COX4NB, FAM158

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

Background

The function of this protein remains unknown.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.