abcam

Product datasheet

Anti-COX6B1 antibody [EPR7646] ab137089

Recombinant RabMAb

1 References 2 Images

Overview

Product name	Anti-COX6B1 antibody [EPR7646]
Description	Rabbit monoclonal [EPR7646] to COX6B1
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF or IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide within Human COX6B1 aa 1-100. The exact sequence is proprietary.
Positive control	HepG2 and Caco 2 cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20ºC.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR7646

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab137089 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 10 kDa.

Application notes Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

Target

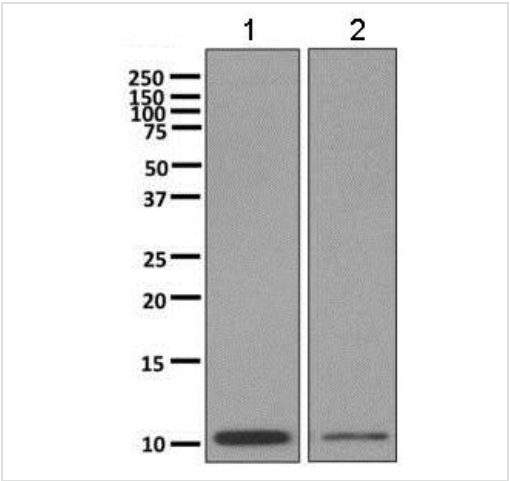
Function Connects the two COX monomers into the physiological dimeric form.

Involvement in disease Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D) [MIM:220110]; also known as cytochrome c oxidase deficiency. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs. Features include hypertrophic cardiomyopathy, hepatomegaly and liver dysfunction, hypotonia, muscle weakness, excercise intolerance, developmental delay, delayed motor development and mental retardation. A subset of patients manifest Leigh syndrome.

Sequence similarities Belongs to the cytochrome c oxidase subunit 6B family.

Cellular localization Mitochondrion intermembrane space.

Images



Western blot - Anti-COX6B1 antibody [EPR7646] (ab137089)

All lanes : Anti-COX6B1 antibody [EPR7646] (ab137089) at 1/1000 dilution

Lane 1 : Caco 2 cell lysates

Lane 2 : HepG2 cell lysates

Lysates/proteins at 10 µg per lane.

Predicted band size: 10 kDa

Anti-COX6B1 antibody [EPR7646] (ab137089)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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