

Anti-COXIV Antibody

Catalog Number: M05442-2

About Cox4i1

This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.

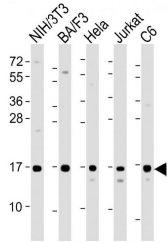
Overview

Product Name	Anti-COXIV Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-COXIV Antibody (Catalog # M05442-2). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P19783

Technical Details

Immunogen	This COXIV antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 115-169 amino acids from the mouse region of human COXIV.
Predicted Reactive Species	Rat
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:2000 FC: 1:25

Anti-COXIV Antibody (M05442-2) Images



All lanes : Anti-COXIV Antibody at 1:2000 dilution

Lane 1: NIH/3T3 whole cell lysate

Lane 2: BA/F3 whole cell lysate

Lane 3: Hela whole cell lysate

Lane 4: Jurkat whole cell lysate

Lane 5: C6 whole cell lysate

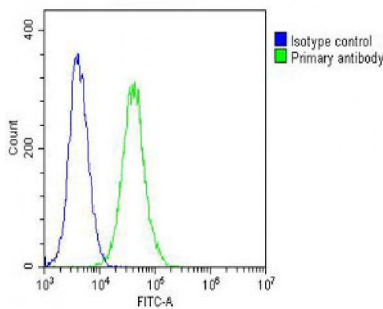
Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.

Predicted band size : 20 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing NIH/3T3 cells stained with

M05442-2 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with

90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-

protein interactions followed by the antibody (M05442-2, 1:25 dilution) for 60 min at 37°C. The secondary antibody

used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C.

Isotype control antibody (blue line) was rabbit IgG

(1µg/1x10⁶ cells) used under the same conditions.

Acquisition of >10, 000 events was performed.

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