

Datasheet for ABIN6242247
anti-COX IV antibody (AA 115-169)



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Overview

Quantity:	200 µL
Target:	COX IV (COX4I1)
Binding Specificity:	AA 115-169
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product 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.
Clone:	RB55992
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COXIV (COX4I1 Products)

Target Details

Background:	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Molecular Weight:	19530
UniProt:	P19783
Pathways:	Proton Transport

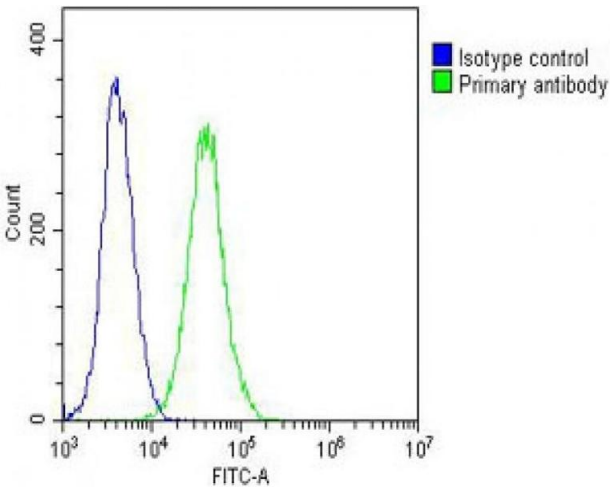
Application Details

Application Notes:	WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

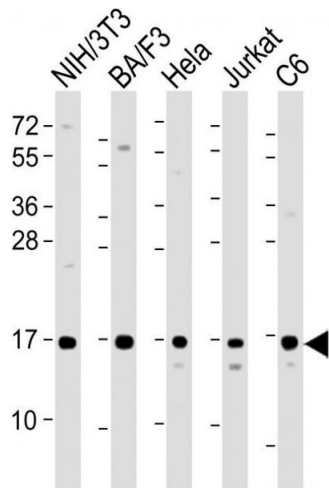
Images



Flow Cytometry

Image 1. Overlay histogram showing NIH/3T3 cells stained with (ABIN6242247 and ABIN6578666) (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 ((ABIN6242247 and ABIN6578666), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-

Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. 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.