

Datasheet for ABIN4908256

anti-COX IV antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	COX IV (COX4I1)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	Recombinant human COX4 protein
Clone:	8D8
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by Protein G.

Target Details

Target:	COX IV (COX4I1)
Alternative Name:	COX4 (COX4I1 Products)
Background:	Synonyms: Cytochrome c oxidase subunit 4 isoform 1, mitochondrial, COX4I1

Target Details

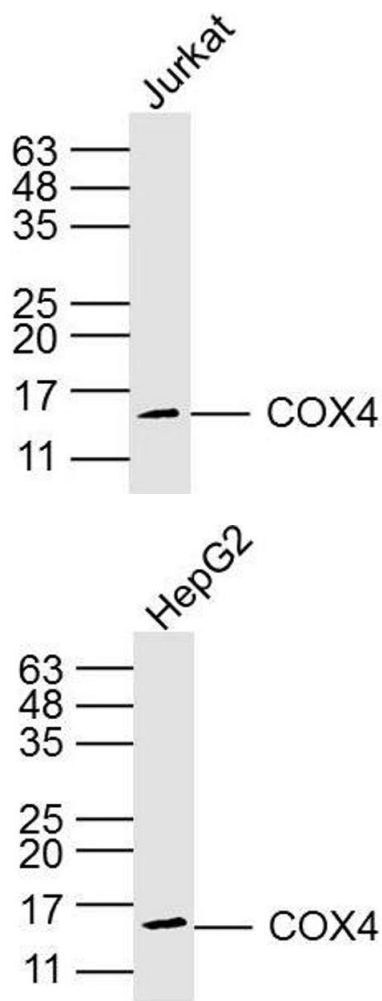
	Background: This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Gene ID:	1327
Pathways:	Proton Transport

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

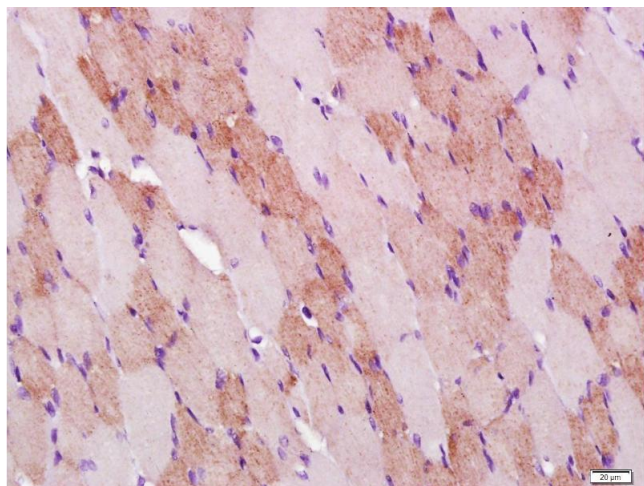


Western Blotting

Image 1. Jurkey cell lysates probed with COX4 (8D8) Monoclonal Antibody, Unconjugated (bsm-33037M) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:20000 for 90 min at 37°C.

Western Blotting

Image 2. Jurkey cell lysates probed with COX4 (8D8) Monoclonal Antibody, Unconjugated (bsm-33037M) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:20000 for 90 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded rat skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with COX4 (8D8) Monoclonal Antibody, Unconjugated (bsm-33037M) at 1:2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.