

Product datasheet

Anti-MTCO1 antibody [5D11-1C9] - N-terminal ab219824

[2 Images](#)

Overview

Product name	Anti-MTCO1 antibody [5D11-1C9] - N-terminal
Description	Mouse monoclonal [5D11-1C9] to MTCO1 - N-terminal
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human MTCO1 (N terminal). Database link: P00395
Positive control	WB: Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn); Whole cell extract of cultured normal control human dermal fibroblasts neonatal (HDFn).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 0.36% HEPES, 0.87% Sodium chloride
Purification notes	Purified from hybridoma cell culture supernatant by Protein L affinity chromatography from fetal bovine serum containing medium (Protein L does not bind bovine IgG).
Clonality	Monoclonal
Clone number	5D11-1C9
Isotype	IgG2a
Light chain type	kappa

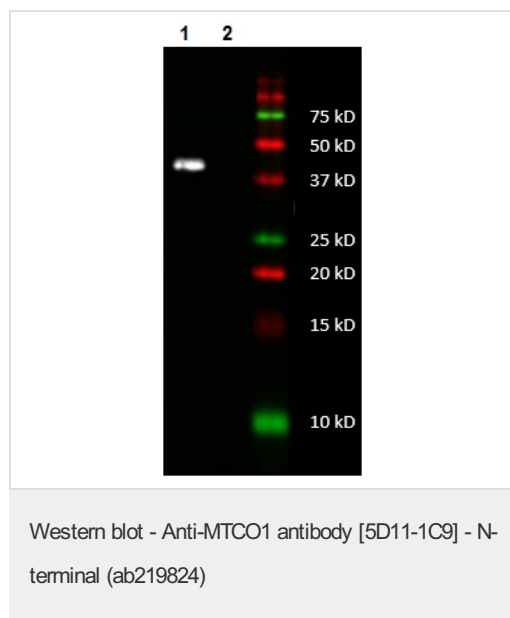
Applications

Our [Abpromise guarantee](#) covers the use of **ab219824** 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		Use a concentration of 0.2 - 2 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 57 kDa).

Images



All lanes : Anti-MTCO1 antibody [5D11-1C9]

- N-terminal (ab219824) at 0.1 µg/ml

Lane 1 : Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn)

Lane 2 : Mitochondria from HDFn cells depleted of mtDNA by long-term proliferation in the presence of ethidium bromide

Lysates/proteins at 10 µg per lane.

Secondary

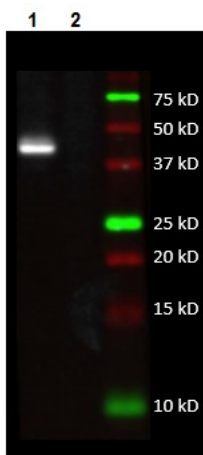
All lanes : HRP-labeled Goat-anti-mouse IgG

Developed using the ECL technique.

Predicted band size: 57 kDa

Observed band size: 40 kDa

Mitochondrial proteins solubilized in 2% SDS were separated by SDS-PAGE and then transferred to PVDF membranes in CAPS buffer.



Western blot - Anti-MTCO1 antibody [5D11-1C9] - N-terminal (ab219824)

All lanes : Anti-MTCO1 antibody [5D11-1C9]

- N-terminal (ab219824) at 2 µg/ml

Lane 1 : Whole cell extract of cultured normal control human dermal fibroblasts neonatal (HDFn)

Lane 2 : Whole cell extract HDFn-Rho0 cells depleted of mtDNA by long-term culture in the presence of ethidium bromide

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : HRP-labeled Goat-anti-mouse IgG

Developed using the ECL technique.

Predicted band size: 57 kDa

Proteins were separated by SDS-PAGE and then transferred to PVDF membranes in CAPS buffer.

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