

Anti-MTCO2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human)
Molecular Weight:	Theoretical: 25 kDa. Actual: 25 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Muscle (Mouse) Lysate at 40 µg Primary: Anti-Cytochrome c oxidase subunit 2 (TMAB-09059) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 25 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MTCO2
Antigen Species:	Human
Gene ID:	4513
Uniprot ID:	P00403

Research Background

Contributes to cytochrome-c oxidase activity. Predicted to be involved in mitochondrial electron transport, cytochrome c to oxygen and positive regulation of vasoconstriction. Located in mitochondrial inner membrane. Part of respiratory chain complex IV. Biomarker of Huntington's disease and stomach cancer. [provided by Alliance of Genome Resources, Apr 2022]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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