Recombinant MTCO2 Monoclonal Antibody

catalog number: AN301103L

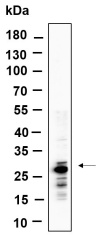
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human MTCO2 rabbit protein
Host	Rabbit
Isotype	IgG,κ
Clone	B858
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:200-1000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
IP	1:50-200

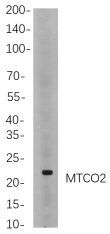
Data



Western Blot with Recombinant MTCO2 rabbit Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: MCF7 lysate.

Observed-MW:21 kDa

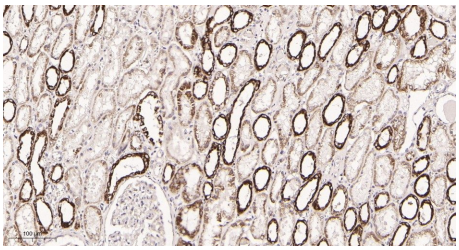
Calculated-MW:26 kDa



Western Blot with Recombinant MTCO2 rabbit Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela cells.

Observed-MW:21 kDa

Calculated-MW:26 kDa



Immunohistochemistry of paraffin-embedded human kidney tissue using Recombinant MTCO2 rabbit Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Cofactor:Copper A.,disease:Defects in MT-CO2 are a cause of cytochrome c oxidase deficiency (COX deficiency) [MIM: 220110]; also called mitochondrial complex IV deficiency. COX deficiency is a clinically heterogeneous disorder. The clinical features are ranging from isolated myopathy to severe multisystem disease, with onset from infancy to adulthood.,disease:Defects in MT-CO2 are associated with tumor formation.,Cytochrome c oxidase is the component of the respiratory chain that catalyzes the reduction of oxygen to water. Subunits 1-3 form the functional core of the enzyme complex. Subunit 2 transfers the electrons from cytochrome c via its binuclear copper A center to the bimetallic center of the catalytic subunit 1.,similarity:Belongs to the cytochrome c oxidase subunit 2 family.

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