



Anti-ACO2 monoclonal antibody, clone 4H21 (DCABH-657)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Aconitase 2
Antigen Description	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.
Immunogen	Recombinant full length Human Aconitase 2 produced in HEK293T cells (NP_001089)
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4H21
Purification	This antibody was purified from mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	Flow Cyt, ICC/IF
Positive Control	COS7 cells transiently transfected by pCMV6-ENTRY Aconitase 2, HEK293T cells transfected with pCMV6-ENTRY Aconitase 2
Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide

Storage store at -20°C. Avoid freeze / thaw cycles.

Ship Shipped at 4°C.

GENE INFORMATION

Gene Name [ACO2 aconitase 2, mitochondrial \[Homo sapiens \]](#)

Official Symbol ACO2

Synonyms ACO2; aconitase 2, mitochondrial; aconitate hydratase, mitochondrial; ACONM; citrate hydro-lyase; ICRD; MGC20605; MGC33908;

Entrez Gene ID [50](#)

Protein Refseq [NP_001089](#)

UniProt ID [Q99798](#)

Chromosome Location 22q13.2

Pathway Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, first carbon oxidation, oxaloacetate => 2-oxoglutarate, organism-specific biosystem; Citrate cycle, first carbon oxidation, oxaloacetate => 2-oxoglutarate, conserved biosystem; Citric acid cycle (TCA cycle), organism-specific biosystem;

Function 3 iron, 4 sulfur cluster binding; 4 iron, 4 sulfur cluster binding; aconitate hydratase activity; citrate hydro-lyase (cis-aconitate-forming) activity; iron ion binding; isocitrate hydro-lyase (cis-aconitate-forming) activity; lyase activity; metal ion bi