

ARG43832 anti-ACO2 / Aconitase 2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIAS.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACO2 / Aconitase 2
Immunogen	Synthetic peptide from human ACO2 / Aconitase 2 antibody.
Conjugation	Un-conjugated
Alternate Names	Aconitase; ACONM; EC 4.2.1.3; ICRD; Aconitate hydratase, mitochondrial; Citrate hydro-lyase; OCA8; HEL-S-284

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50-1:200
	IHC-P	1:50-1:100
	IP	1:20
	WB	1:500-1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

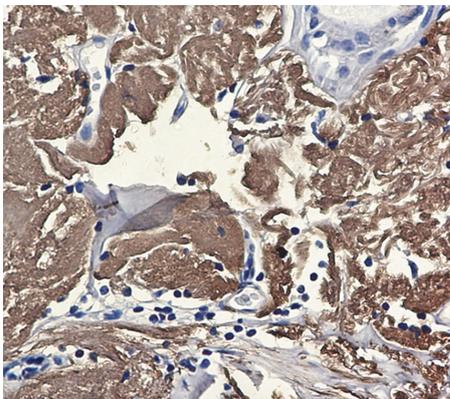
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	Tris-Glycine (pH 7.4) with 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

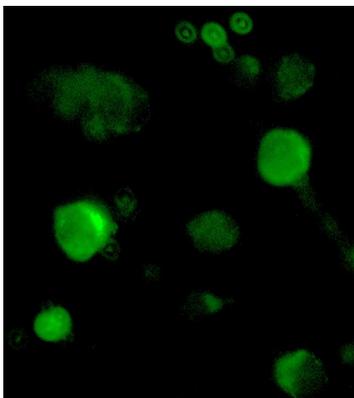
Background	The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification. [provided by RefSeq, Jul 2008]
Highlight	Related products: Aconitase antibodies ; Aconitase ELISA Kits ; Anti-Goat IgG secondary antibodies ; Related news: TCA intermediate fumarate promotes mitobiogenesis
Research Area	Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody

Images



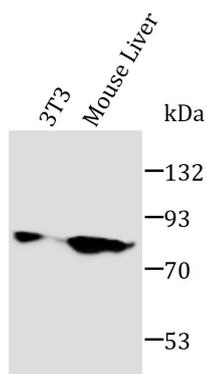
ARG43832 anti-ACO2 / Aconitase 2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG43832 anti-ACO2 / Aconitase 2 antibody.



ARG43832 anti-ACO2 / Aconitase 2 antibody ICC/IF image

Immunofluorescence: CEM Cells were stained with ARG43832 anti-ACO2 / Aconitase 2 antibody.



ARG43832 anti-ACO2 / Aconitase 2 antibody WB image

Western blot: 3T3 cell and Mouse Liver stained with ARG43832 anti-ACO2 / Aconitase 2 antibody.