

ARG65169 anti-ACO2 / Aconitase 2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ACO2 / Aconitase 2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACO2 / Aconitase 2
Species	Human
Immunogen	C-QHVDVSPTSQRLQ
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	Assay - dependent
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

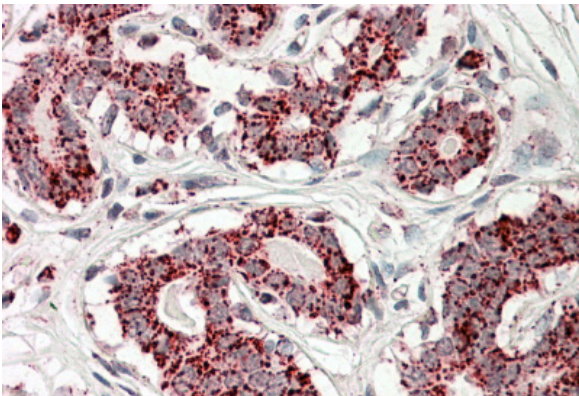
Database links	GeneID: 50 Human Swiss-port # Q99798 Human
Background	The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded 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
Calculated Mw	85 kDa

Images



ARG65169 anti-ACO2 / Aconitase 2 antibody WB image

Western blot: Heart lysate (35 µg protein in RIPA buffer) stained with ARG65169 anti-ACO2 / Aconitase 2 antibody at 0.01 µg/ml dilution.



ARG65169 anti-ACO2 / Aconitase 2 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Breast. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG65169 anti-ACO2 / Aconitase 2 antibody at 3.8 µg/ml dilution followed by AP-staining.