

ARG64720 anti-ACO1 / Aconitase 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ACO1 / Aconitase 1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACO1 / Aconitase 1
Species	Human
Immunogen	C-QVDFNRRADSLQKNQ
Conjugation	Un-conjugated
Alternate Names	HEL60; Aconitase; EC 4.2.1.3; Cytoplasmic aconitate hydratase; Ferritin repressor protein; IRP1; Iron regulatory protein 1; IRE-BP 1; Iron-responsive element-binding protein 1; Citrate hydro-lyase; ACONS; IREB1; IREBP; IREBP1

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml
Application Note	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

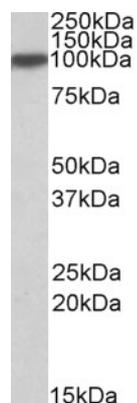
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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: 48 Human Swiss-port # P21399 Human
Background	Aconitase 1, also known as iron regulatory element binding protein 1 (IREB1), is a cytosolic protein which binds to iron-responsive elements (IREs). IREs are stem-loop structures found in the 5' UTR of ferritin mRNA, and in the 3' UTR of transferrin receptor mRNA. The iron-induced binding to the IRE results in repression of translation of ferritin mRNA, and inhibition of degradation of the otherwise rapidly degrading transferrin receptor mRNA. Thus, IREB1 plays a central role in cellular iron homeostasis. It was also shown to have aconitase activity, and hence grouped with the aconitase family of enzymes. [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	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	98 kDa

Images



ARG64720 anti-ACO1 / Aconitase 1 antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG64720 anti-ACO1 / Aconitase 1 antibody at 0.1 µg/ml dilution.