

## 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.

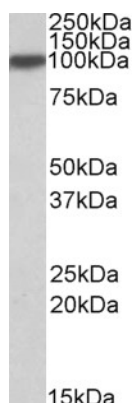
## Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 48 Human</a> <a href="#">Swiss-port # P21399 Human</a>
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: <a href="#">Aconitase antibodies</a> ; <a href="#">Aconitase ELISA Kits</a> ; <a href="#">Anti-Goat IgG secondary antibodies</a> ; Related news: <a href="#">TCA intermediate fumarate promotes mitobiogenesis</a>
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.