

# Aconitase 1 Rabbit mAb

Catalog # AP77380

## Product Information

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<b>Application</b>	WB, IF, ICC
<b>Primary Accession</b>	<a href="#">P21399</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human Aconitase 1
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	98399

## Additional Information

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<b>Gene ID</b>	48
<b>Other Names</b>	ACO1
<b>Dilution</b>	WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

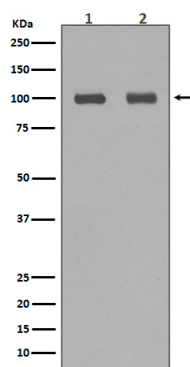
## Protein Information

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<b>Name</b>	ACO1
<b>Synonyms</b>	IREB1
<b>Function</b>	Bifunctional iron sensor that switches between 2 activities depending on iron availability (PubMed: <a href="#">1281544</a> , PubMed: <a href="#">1946430</a> , PubMed: <a href="#">8041788</a> ). Iron deprivation, promotes its mRNA binding activity through which it regulates the expression of genes involved in iron uptake, sequestration and utilization (PubMed: <a href="#">1281544</a> , PubMed: <a href="#">1946430</a> , PubMed: <a href="#">23891004</a> , PubMed: <a href="#">8041788</a> ). Binds to iron-responsive elements (IRES) in the untranslated region of target mRNAs preventing for instance the translation of ferritin and aminolevulinic acid synthase and stabilizing the transferrin receptor mRNA (PubMed: <a href="#">1281544</a> , PubMed: <a href="#">1946430</a> , PubMed: <a href="#">23891004</a> , PubMed: <a href="#">8041788</a> ).
<b>Cellular Location</b>	Cytoplasm, cytosol.

## Images

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