

产品名称: Aconitase 1 (7U6) Rabbit Monoclonal Antibody
产品货号: AMRe06511



产品概述 (Summary)

产品名称 (Production Name)	Aconitase 1 (7U6) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ACO1
别名 (Alternative Names)	ACO 1; Aconitase; Citrate hydro lyase; IREB1; IRP 1; Iron responsive element binding protein 1;
基因 ID (Gene ID)	48.0
蛋白 ID (SwissProt ID)	P21399.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:100-1:200, FC 1:50-1:200
蛋白分子量 (Molecular Weight)	98kDa

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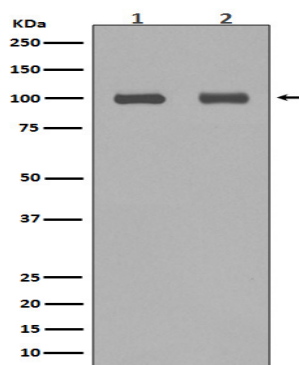
研究背景 (Background)

Iron sensor. Binds a 4Fe-4S cluster and functions as aconitase when cellular iron levels are high. Bifunctional iron sensor that switches between 2 activities depending on iron availability (PubMed:[1946430](http://www.uniprot.org/citations/1946430), PubMed:[1281544](http://www.uniprot.org/citations/1281544), PubMed:[8041788](http://www.uniprot.org/citations/8041788)). Iron deprivation, promotes its mRNA binding activity through which it regulates the expression of genes involved in iron uptake, sequestration and utilization (PubMed:[1946430](http://www.uniprot.org/citations/1946430), PubMed:[1281544](http://www.uniprot.org/citations/1281544), PubMed:[8041788](http://www.uniprot.org/citations/8041788), PubMed:[23891004](http://www.uniprot.org/citations/23891004)). 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:[1946430](http://www.uniprot.org/citations/1946430), PubMed:[1281544](http://www.uniprot.org/citations/1281544), PubMed:[8041788](http://www.uniprot.org/citations/8041788), PubMed:[23891004](http://www.uniprot.org/citations/23891004)).

研究领域 (Research Area)

Cardiovascular; Blood; Signal Transduction; Metabolism; Energy Metabolism; Epigenetics and Nuclear Signaling; DNA / RNA; RNA Processing; Vitamins / Minerals; Pathways and Processes; Metabolic signaling pathways; Nucleotide metabolism; Energy transfer pathways; Energy Metabolism;

图片 (Image Data)



Western blot analysis of Aconitase 1 in (1) mouse kidney lysate; (2) HepG2 cell lysate.

注意事项 (Note)

For research use only.

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