

**Aconitase 1 Rabbit mAb**  
Catalog # AP77380**Specification****Aconitase 1 Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P21399</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	98399

**Aconitase 1 Rabbit mAb - Additional Information**

Gene ID 48

**Other Names**

ACO1

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**Aconitase 1 Rabbit mAb - Protein Information**

Name ACO1

Synonyms IREB1

**Function**

Bifunctional iron sensor that switches between 2 activities depending on iron availability (PubMed: [1281544](http://www.uniprot.org/citations/1281544), PubMed: [1946430](http://www.uniprot.org/citations/1946430), 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: [1281544](http://www.uniprot.org/citations/1281544), PubMed: [1946430](http://www.uniprot.org/citations/1946430), PubMed: [23891004](http://www.uniprot.org/citations/23891004), PubMed: [8041788](http://www.uniprot.org/citations/8041788)). 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: [1281544](http://www.uniprot.org/citations/1281544), PubMed: [1946430](http://www.uniprot.org/citations/1946430), PubMed: [23891004](http://www.uniprot.org/citations/23891004), PubMed: [23891004](http://www.uniprot.org/citations/8041788), PubMed: [8041788](http://www.uniprot.org/citations/8041788))

target="\_blank">8041788</a>).

**Cellular Location**  
Cytoplasm, cytosol.

### Aconitase 1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Aconitase 1 Rabbit mAb - Images

