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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ACO1 (Human) Matched Antibody Pair

Catalog # : H00000048-AP51

規格 : [1 Set]

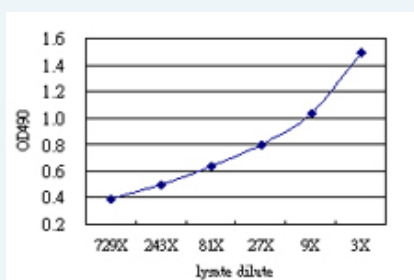
[List All](#)

Specification

Product Description: This antibody pair set comes with matched antibody pair to detect and quantify protein level of human ACO1.

Reactivity: Human

Quality Control Testing: Standard curve using ACO1 293T overexpression lysate (non-denatured) as an analyte.



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the ACO1 293T overexpression lysate (non-denatured).


Supplied Product: Antibody pair set content:
 1. Capture antibody: mouse monoclonal anti-ACO1 (100 ug)
 2. Detection antibody: rabbit purified polyclonal anti-ACO1 (50 ug)
 *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

MSDS:  [Download](#)

Applications

ELISA Pair (Transfected lysate)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [48](#)

Gene Name: ACO1

Gene Alias: ACONS,IREB1,IREBP,IREBP1,IRP1

Gene Description: aconitase 1, soluble

Omim ID: [100880](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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]

Other OTTHUMP00000021176,OTTHUMP00000021177,OTTHUMP000000045
Designations: 233,aconitase 1,aconitate hydratase,citrate hydro-lyase,ferritin repressor protein,iron regulatory protein 1,iron-responsive element binding protein 1

Gene Pathway

[Biosynthesis of alkaloids derived from histidine and purine](#)
[Biosynthesis of alkaloids derived from ornithine, lysine and nicotinic acid](#)
[Biosynthesis of alkaloids derived from shikimate pathway](#)
[Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
[Biosynthesis of phenylpropanoids](#) [Biosynthesis of plant hormones](#)
[Biosynthesis of terpenoids and steroids](#) [Citrate cycle \(TCA cycle\)](#)
[Glyoxylate and dicarboxylate metabolism](#) [Metabolic pathways](#)
[Reductive carboxylate cycle \(CO2 fixation\)](#)

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