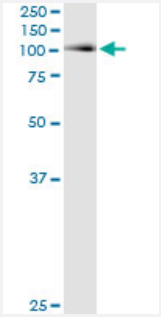
ACO1 (Human) IP-WB Antibody Pair

Catalog # H00000048-PW1 Size 1 Set

Applications



Immunoprecipitation of ACO1 transfected lysate using mouse monoclonal anti-ACO1 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-ACO1.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of ACO1 transfected lysate using mouse monoclonal anti-ACO1 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-ACO1.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-ACO1 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-ACO1 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

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Gene Info — ACO1

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 protei n which binds to iron-responsive elements (IREs). IREs are stem-loop structures found in the 5' UT R of ferritin mRNA, and in the 3' UTR of transferrin receptor mRNA. The iron-induced binding to th e IRE results in repression of translation of ferritin mRNA, and inhibition of degradation of the othe rwise rapidly degrading transferrin receptor mRNA. Thus, IREB1 plays a central role in cellular iro n homeostasis. It was also shown to have aconitase activity, and hence grouped with the aconitas e family of enzymes. [provided by RefSeq
Other Designations	OTTHUMP00000021176|OTTHUMP00000021177|OTTHUMP00000045233|aconitase 1|aconita te hydratase|citrate hydro-lyase|ferritin repressor protein|iron regulatory protein 1|iron-responsive element binding protein 1

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- 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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