

Rabbit anti-Human ACO1 Polyclonal Antibody | anti-ACO1 antibody

ACO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233916	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

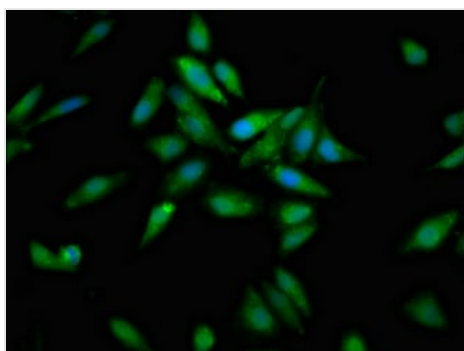
PRODUCT SYNONYMS

ACO1; Polyclonal Antibody; ACO1 Antibody; Cytoplasmic aconitate hydratase; Aconitase; Citrate hydro-lyase; Ferritin repressor protein; Iron regulatory protein 1; IRP1; Iron-responsive element-binding protein 1; IRE-BP 1; IREB1; anti-ACO1 antibody

PRODUCT SPECIFICATIONS

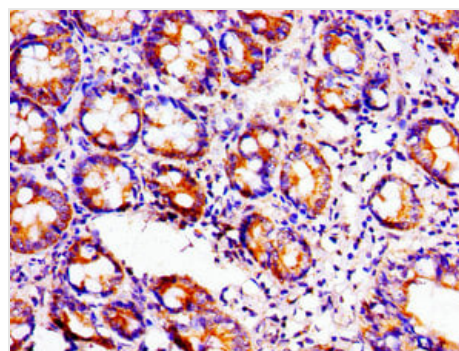
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	889
Applicable Applications for anti-ACO1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Cytoplasmic aconitate hydratase protein (508-745AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



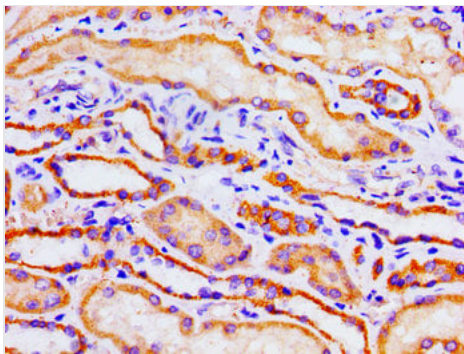
IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA233916 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



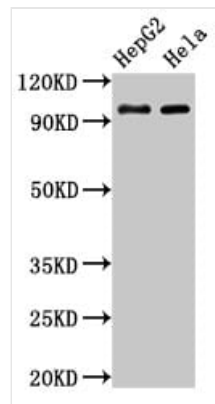
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA233916 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA233916 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: HepG2 whole cell lysate, HeLa whole cell lysate. All lanes: ACO1 antibody at 3ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 99 KDa. Observed band size: 99 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACO1 antibody	Iron sensor. Binds a 4Fe-4S cluster and functions as aconitase when cellular iron levels are high. Functions as mRNA binding protein that regulates uptake, sequestration and utilization of iron when cellular iron levels are low. Binds to iron-responsive elements (IRES) in target mRNA species when iron levels are low. Binding of a 4Fe-4S cluster precludes RNA binding.
Product Categories/Family for anti-ACO1 antibody	Epigenetics and Nuclear Signaling; Cancer; Cardiovascular; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	507834063
NCBI GeneID	48
NCBI Accession #	NP_001265281.1
NCBI GenBank Nucleotide #	NM_001278352.1
UniProt Accession #	P21399; Q14652; Q5VZA7; D3DRK7
Molecular Weight	98,399 Da
NCBI Official Full Name	cytoplasmic aconitate hydratase
NCBI Official Synonym Full Names	aconitase 1
NCBI Official Symbol	ACO1
NCBI Official Synonym Symbols	IRP1; ACONS; HEL60; IREB1; IREBP; IREBP1
NCBI Protein Information	cytoplasmic aconitate hydratase
UniProt Protein Name	Cytoplasmic aconitate hydratase
UniProt Gene Name	ACO1
UniProt Synonym Gene Names	IREB1; Aconitase; IRP1; IRE-BP 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aco1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/233916>