

Rabbit anti-Human, Mouse ACO2/Aconitase Polyclonal Antibody | anti-ACO2 antibody

Rabbit anti-ACO2/Aconitase Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213204	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

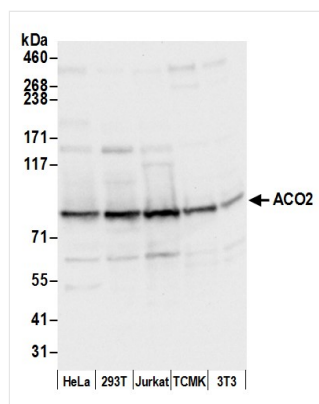
PRODUCT SYNONYMS

ACO2/Aconitase; Polyclonal Antibody; Rabbit anti-ACO2/Aconitase Antibody; Affinity Purified; OPA9; epididymis secretory sperm binding protein Li 284; OCA8; mitochondrial aconitase; HEL-S-284; ACONM; aconitate hydratase; mitochondrial; aconitase 2; Aconitase; ICRD; citrate hydro-lyase; Aconitate hydratase; anti-ACO2 antibody

PRODUCT SPECIFICATIONS

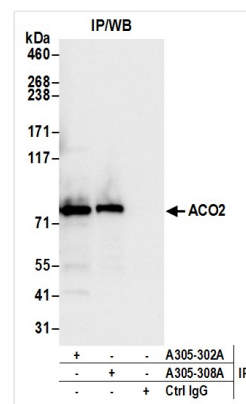
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ACO2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 350 and 400
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse ACO2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ACO2 antibody AAA213204 (lot AAA213204-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IP (Immunoprecipitation)

Detection of human ACO2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ACO2 antibody AAA213204 (lot AAA213204-1) used for IP at 6 ug per reaction. ACO2 was also immunoprecipitated by rabbit anti-ACO2 antibody For blotting immunoprecipitated ACO2, AAA213204 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ACO2 antibody	Aconitase belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification [[taken from NCBI Entrez Gene (Gene ID: 50)].
Product Categories/Family for anti-ACO2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501867
NCBI GeneID	50
NCBI Accession #	NP_001089.1
NCBI GenBank Nucleotide #	NM_001098.2
UniProt Accession #	Q99798; O75809; Q5JZ41; Q6FHX0; Q8TAQ6
Molecular Weight	85,425 Da
NCBI Official Full Name	aconitate hydratase, mitochondrial
NCBI Official Synonym Full Names	aconitase 2
NCBI Official Symbol	ACO2
NCBI Official Synonym Symbols	ICRD; OCA8; OPA9; ACONM; HEL-S-284
NCBI Protein Information	aconitate hydratase, mitochondrial
UniProt Protein Name	Aconitate hydratase, mitochondrial
UniProt Gene Name	ACO2
UniProt Synonym Gene Names	Aconitase
UniProt Entry Name	ACON_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aco2-aconitase-antibody-immunoprecipitation-western-blot-elisa/213204>