

Rabbit ACO1 Polyclonal Antibody | anti-ACO1 antibody

ACO1 Polyclonal Antibody

CATALOG # AAA166901	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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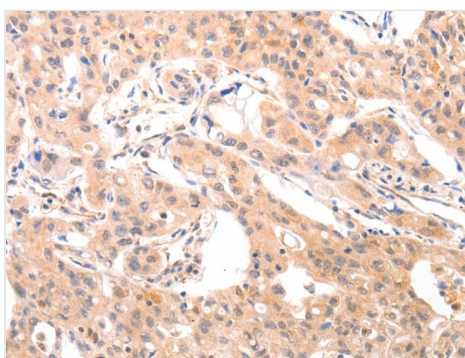
PRODUCT SYNONYMS

ACO1; Polyclonal Antibody; ACO1 Polyclonal Antibody; IRP1; ACONS; IREB1; IREBP; IREBP1; anti-ACO1 antibody

PRODUCT SPECIFICATIONS

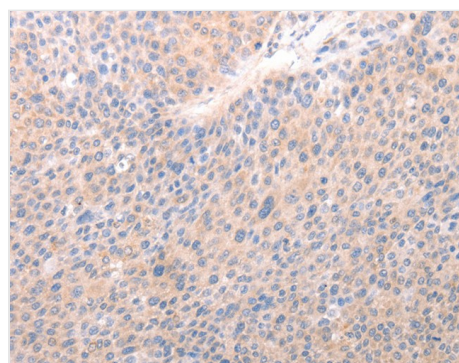
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.5mg/mL (varies by lot)
Sequence Length	778
Applicable Applications for anti-ACO1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human ACO1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using ACO1 Polyclonal Antibody at dilution 1:50



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using ACO1 Polyclonal Antibody at dilution 1:50

ADDITIONAL INFORMATION

Related Product Information for anti-ACO1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6323335
NCBI GeneID	851013
NCBI Accession #	NP_013407.1
NCBI GenBank Nucleotide #	NM_001182192.1
Molecular Weight	85,368 Da
NCBI Official Full Name	aconitate hydratase ACO1
NCBI Official Symbol	ACO1
NCBI Official Synonym Symbols	GLU1
NCBI Protein Information	aconitate hydratase ACO1
UniProt Protein Name	Aconitate hydratase, mitochondrial
UniProt Gene Name	ACO1
UniProt Synonym Gene Names	GLU1; Aconitase
UniProt Entry Name	ACON_YEAST

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/aco1-antibody-immunohistochemistry-elisa/166901>