



ACO2 rabbit pAb

Cat No.:ES8872

For research use only

Overview

Product Name	ACO2 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Canine
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from human ACO2. at AA range: 421-470
Specificity	ACO2 Polyclonal Antibody detects endogenous levels of ACO2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	ACO2
Gene Name	ACO2
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	90kD
Human Gene ID	50
Human Swiss-Prot Number	Q99798
Alternative Names	Aconitate hydratase, mitochondrial (Aconitase) (EC 4.2.1.3) (Citrate hydro-lyase)
Background	The protein encoded by this gene 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





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degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification. [provided by RefSeq, Jul 2008],



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