

Product name:	ACO2 Rabbit Polyclonal Antibody
Cat number:	ABN06509
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human ACO2. at AA range: 421-470
Reactivity:	Human,Mouse,Rat,Canine
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight:	90kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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 degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification. [provided by RefSeq, Jul 2008],catalytic activity:Citrate = isocitrate.,cofactor:Binds 1 4Fe-4S cluster per subunit. Binding of a 3Fe-4S cluster leads to an inactive enzyme.,online information:Aconitase entry,pathway:Carbohydrate metabolism; tricarboxylic acid cycle.,similarity:Belongs to the aconitase/IPM isomerase family.,subunit:Monomer.,