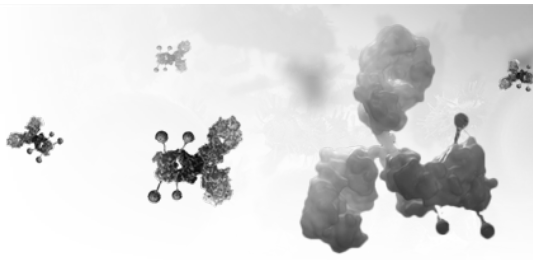

Human ACO2 blocking peptide (CDBP0298)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Aconitase 2 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ACO2 aconitase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	ACO2
Synonyms	ACO2; aconitase 2, mitochondrial; ICRD; ACONM; aconitate hydratase, mitochondrial; citrate hydro-lyase;

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Entrez Gene ID	50
mRNA Refseq	NM_001098.2
Protein Refseq	NP_001089.1
UniProt ID	Q99798
Chromosome Location	22q13.2
Pathway	2-Oxocarboxylic acid metabolism, organism-specific biosystem; 2-Oxocarboxylic acid metabolism, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Biosynthesis of amino acids, conserved biosystem; Carbon metabolism, organism-specific biosystem; Carbon metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle (TCA cycle, Krebs cycle), organism-specific biosystem; Citrate cycle (
Function	3 iron, 4 sulfur cluster binding; 4 iron, 4 sulfur cluster binding; aconitate hydratase activity; iron ion binding;

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