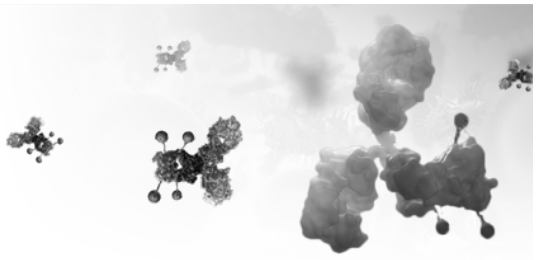

Human AMPD1 blocking peptide (CDBP0391)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-AMPD1 antibody
Antigen Description	Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal muscle and plays an important role in the purine nucleotide cycle. Two other genes have been identified, AMPD2 and AMPD3, for the liver- and erythocyte-specific isoforms, respectively. Deficiency of the muscle-specific enzyme is apparently a common cause of exercise-induced myopathy and probably the most common cause of metabolic myopathy in the human. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.
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	AMPD1 adenosine monophosphate deaminase 1 [Homo sapiens]
Official Symbol	AMPD1
Synonyms	AMPD1; adenosine monophosphate deaminase 1; adenosine monophosphate deaminase 1

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	(isoform M); AMP deaminase 1; AMPD isoform M; MAD; MADA; skeletal muscle AMPD; AMPD; myoadenylate deaminase; adenosine monophosphate deaminase-1 (muscle);
Entrez Gene ID	270
mRNA Refseq	NM_000036
Protein Refseq	NP_000027
UniProt ID	P23109
Chromosome Location	1p13
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Purine salvage, organism-specific biosystem;
Function	AMP deaminase activity; hydrolase activity; metal ion binding;

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