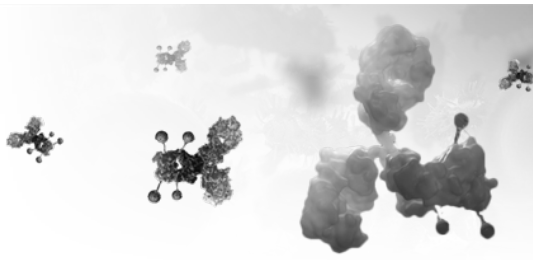

Anti-AMPD1 polyclonal antibody (DPAB-DC1337)

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

PRODUCT INFORMATION

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.[provided by RefSeq, Feb 2010]
Immunogen	A synthetic peptide corresponding to human AMPD1. The sequence is C-HMFSSKSPKPQE
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	AMPD1 adenosine monophosphate deaminase 1 [Homo sapiens (human)]
Official Symbol	AMPD1
Synonyms	AMPD1; adenosine monophosphate deaminase 1; MAD; MADA; MMDD; AMP deaminase 1; AMPD; skeletal muscle AMPD; myoadenylate deaminase; adenosine monophosphate deaminase-1 (muscle); adenosine monophosphate deaminase 1 (isoform M);
Entrez Gene ID	270
Protein Refseq	NP_000027
UniProt ID	P23109
Chromosome Location	1p13
Pathway	Metabolism; Purine metabolism; Purine salvage;
Function	AMP deaminase activity; metal ion binding; myosin heavy chain binding;

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