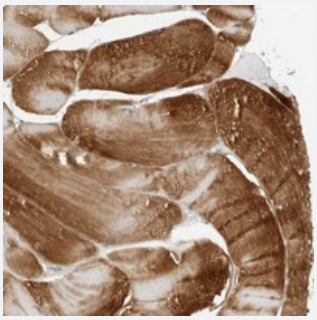
AMPD1 polyclonal antibody

Catalog # PAB22103 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human skeletal muscle with AMPD1 polyclonal antibody (Cat # PAB22103) shows strong cytoplasmic positivity in myocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant AMPD1.
Immunogen	Recombinant protein corresponding to amino acids of human AMPD1.
Sequence	AEEKQIDDAMRNFAEKVFASEVKDEGGRQEISPFDVDEICPISHHEMQAHIFHLETLSTSTEARRK KRFQGRKTVNLSIPL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human skeletal muscle with AMPD1 polyclonal antibody (Cat # PAB22103) shows strong cytoplasmic positivity in myocytes.

Gene Info — AMPD1

Entrez GeneID	270
Protein Accession#	P23109
Gene Name	AMPD1
Gene Alias	MAD, MADA
Gene Description	adenosine monophosphate deaminase 1 (isoform M)
Omim ID	102770
Gene Ontology	Hyperlink
Gene Summary	Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal m uscle and plays an important role in the purine nucleotide cycle. Two other genes have been identi fied, 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. [provided by RefSeq
Other Designations	OTTHUMP00000013665|OTTHUMP00000059283|adenosine monophosphate deaminase-1 (m uscle)

Pathway

- Biosynthesis of plant hormones
- Metabolic pathways
- Purine metabolism

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Disease

- Anemia
- Arthritis
- Atherosclerosis
- Brain Death
- Calcinosis
- Cardiac Output
- Cardiomegaly
- Cardiovascular Diseases
- Chronic Disease
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glycogen Storage Disease Type V
- Heart Failure
- Hyperemia
- Insulin Resistance
- Ischemia
- Metabolic Syndrome X
- Muscular Diseases
- Myocardial Infarction
- Myocardial Ischemia

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- Neuromuscular Diseases
- Obesity
- Task Performance and Analysis
- Ventricular Dysfunction

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