AMPD1 rabbit monoclonal antibody

Catalog # H00000270-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human AMPD1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human AMPD1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human AMPD1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — AMPD1

Entrez GeneID	270
GeneBank Accession#	AMPD1
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

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