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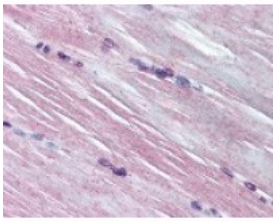
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AMPD1 Antibody

CATALOG NUMBER: 48-945



Immunohistochemistry staining of AMPD1 in skeletal muscle tissue using AMPD1 Antibody.

Specifications

SPECIES REACTIVITY:	Bovine, Chimpanzee, Dog, Human, Monkey, Mouse, Rat, Zebrafish
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	AMPD1 antibody can be used in ELISA, Western Blot, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	A portion of amino acids 140-190 of human AMPDA1.
IMMUNOGEN:	A portion of amino acids 140-190 of human AMPDA1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.2% gelatin, 0.05% sodium azide.
STORAGE CONDITIONS:	AMPD1 antibody can be stored short term 4 ˚C. For long term storage aliquot and store at -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	AMPD1, AMP deaminase isoform M, AMP deaminase 1, AMPD, Skeletal muscle AMPD, MAD, MADA, Myoadenylate deaminase
ACCESSION NO.:	P23109
PROTEIN GI NO.:	384872309
OFFICIAL SYMBOL:	AMPD1
GENE ID:	270

Background

BACKGROUND:	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.

FOR RESEARCH USE ONLY

December 13, 2016