

AMPD1 rabbit pAb

Cat#: orb768401 (Manual)

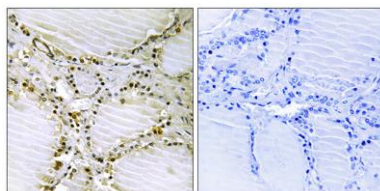
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Product Name	AMPD1 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AMPD1. AA range:261-310
Specificity	AMPD1 Polyclonal Antibody detects endogenous levels of AMPD1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	AMP deaminase 1
Gene Name	AMPD1
Cellular localization	cytosol,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	
Human Gene ID	270
Human Swiss-Prot Number	P23109
Alternative Names	AMPD1; AMP deaminase 1; AMP deaminase isoform M; Myoadenylate deaminase

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 erythrocyte-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],



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue, using AMPD1 Antibody. The picture on the right is blocked with the synthesized peptide.