

# **AMPD1 Polyclonal Antibody**

# Description

Product type Primary Antibody

Code BT-AP00407

**Host** Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human AMPD1. AA range:261-310

Mol wt 86490

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application IHC-p, ELISA

Concentration 1 mg/ml

Full name AMPD1 Antibody

Synonyms AMPD1; AMP deaminase 1; AMP deaminase isoform M; Myoadenylate deaminase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

# 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. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

#### Recommended Dilution

IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

## Images



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

## Storage

-20°C for one year