

**AMPD1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9591c****Specification**

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**AMPD1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P23109](#)**AMPD1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 270**Other Names**

AMP deaminase 1, AMP deaminase isoform M, Myoadenylate deaminase, AMPD1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**AMPD1 Antibody (Center) Blocking Peptide - Protein Information****Name** AMPD1 ([HGNC:468](#))**Function**

AMP deaminase plays a critical role in energy metabolism.

**AMPD1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**AMPD1 Antibody (Center) Blocking Peptide - Images****AMPD1 Antibody (Center) Blocking Peptide - 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.

**AMPD1 Antibody (Center) Blocking Peptide - References**

McGeachie, M., et al. Circulation 120(24):2448-2454(2009) Hanisch, F., et al. J. Neurol. 255(3):318-322(2008) Vladutiu, G.D., et al. Muscle Nerve 34(2):153-162(2006) Mahnke-Zizelman, D.K., et al. J. Biol. Chem. 277(45):42654-42662(2002)