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**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB08258 – Goat anti-AMPD1 antibody

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

Target Protein

Principal Names: AMPD1; adenosine monophosphate deaminase 1 (isoform M);
MAD; MADA; Adenosine monophosphate deaminase-1 (muscle);
OTTHUMP00000059283

Official Gene Symbol: AMPD1

Accession Number(s): NP_000027.1

Human Gene ID(s): 270

Immunogen

Peptide with sequence C-HMFSSKSPKPQE, from the internal region of the protein
sequence according to NP_000027.1

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen
affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium
azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:1,000. Western Blot: Preliminary
experiments in Human Muscle and Rat Muscle lysates gave no specific signal but low
background (at antibody concentration up to 1µg/ml). We would appreciate any
feedback from people in the field - have any results been reported with other
antibodies/lysates?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig

Background Reference

Hand BD, Roth SM, Roltsch MH, Park JJ, Kostek MC, Ferrell RE, Brown MD.
AMPD1 gene polymorphism and the vasodilatory response to ischemia.
Life Sci. 2006 Sep 5;79(15):1413-8. Epub 2006 May 16.
PMID: 16707139