

## **Product datasheet for TA373492S**

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## **AMPD1 Rabbit Polyclonal Antibody**

**Product data:** 

Product Type: Primary Antibodies

Applications: ELISA, ICC/IF, WB

Recommended Dilution: WB.1:500 - 1:2000

IF/ICC,1:50 - 1:200

ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration

based on your specific assay requirements.

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

**Clonality:** Polyclonal

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

**Conjugation:** Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 86kDa

**Gene Name:** adenosine monophosphate deaminase 1

Database Link: Entrez Gene 270 Human

P23109

**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

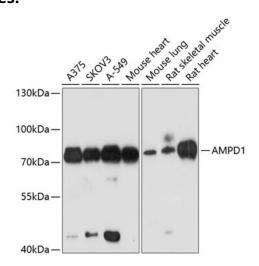
identified in this gene.

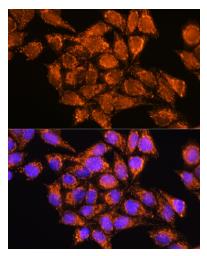




Synonyms: MAD; MADA

## **Product images:**





Western blot analysis of various lysates using AMPD1 Rabbit pAb ([TA373492]) at 1:3000 dilution.

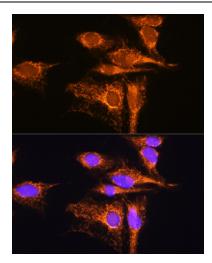
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

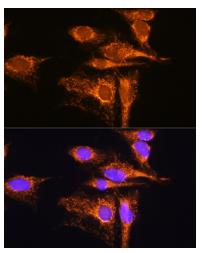
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.

Immunofluorescence analysis of NIH/3T3 cells using AMPD1 Rabbit pAb ([TA373492]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.







Immunofluorescence analysis of HeLa cells using AMPD1 Rabbit pAb ([TA373492]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of C6 cells using AMPD1 Rabbit pAb ([TA373492]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.