

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## AMPD1 RABBIT PAB

Cat.#: S220291

Product Name: Anti-AMPD1 Rabbit Polyclonal Antibody

Synonyms: MAD; MADA

UNIPROT ID: P23109 (Gene Accession - NP\_000027)

**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.

**Immunogen:** Synthetic peptide of human AMPDI **Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-300;WB: 500-2000;ELISA: 2000-10000

**Host Species:** Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

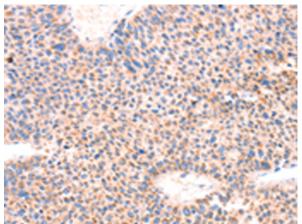
Research Areas: Metabolism

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

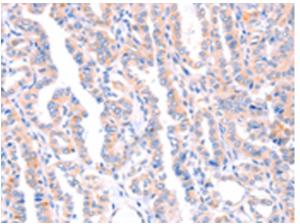


## **Product Description**

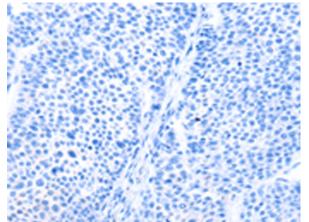
Pioneering GTPase and Oncogene Product Development since 2010



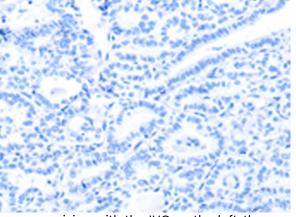
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220291(AMPD1 Antibody) at a dilution of 1/70(Cytoplasm).



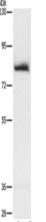
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 220291(Anti-AMPDI Antibody) at a dilution of 1/70.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 220291(Anti-AMPDI Antibody) at dilution 1/70.



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D261272(Anti-AMPDI Antibody) at dilution 1/70.



Gel: 8%SDS-PAGE, Lysate: 40 µg; Lane: Human fetal muscle tissue; Primary antibody: 220291(AMPDI Antibody) at dilution 1/1600; Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;

Exposure time: 3 seconds



## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010