

## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:2000,  
IHC:1:20-1:200

**Protein Background:**

Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism. Adenylate kinase activity is critical for regulation of the phosphate utilization and the AMP de novo biosynthesis pathways. Plays a key role in hematopoiesis.

**Gene ID:**

AK2

**Uniprot**

P54819

**Synonyms:**

Adenylate kinase 2, mitochondrial (AK 2) (EC 2.7.4.3) (ATP-AMP transphosphorylase 2) (ATP: AMP phosphotransferase) (Adenylate monophosphate kinase) [Cleaved into: Adenylate kinase 2, mitochondrial, N-terminally processed], AK2, ADK2

**Immunogen:**

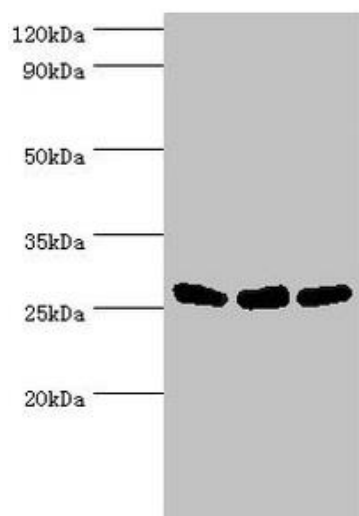
Recombinant Human Adenylate kinase 2, mitochondrial protein (1-232AA).

**Storage:**

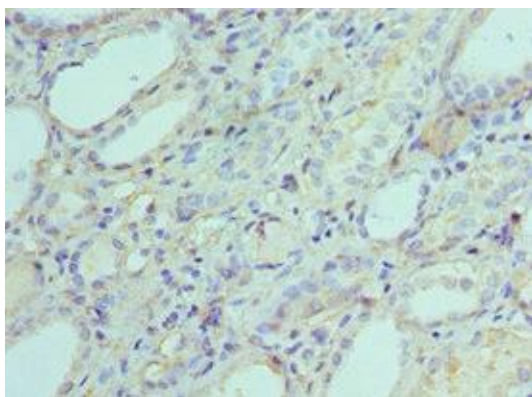
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

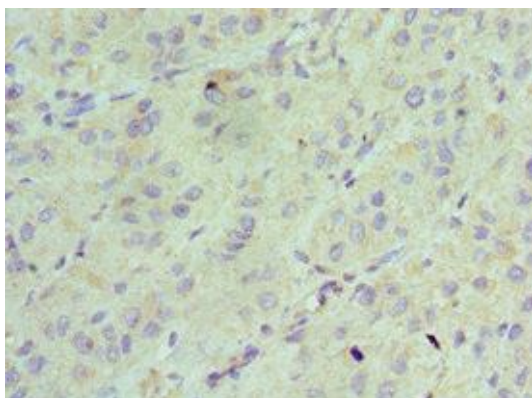
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Western blot. All lanes: Adenylate kinase 2, mitochondrial antibody at 5 $\mu$ g/ml. Lane 1: HeLa whole cell lysate. Lane 2: Mouse kidney tissue. Lane 3: Mouse small intestine tissue. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 27, 26, 23, 15, 25, 22 kDa. Observed band size: 27 kDa.



Immunohistochemistry of paraffin-embedded human kidney tissue using PACO43065 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human liver tissue using PACO43065 at dilution of 1:100.