

## AK2 Recombinant antibody

**Cat:** B36423S

**Company:** HaoKebio

**Uniprot ID:** P54819

**Applications:** IHC:1:500-1:2000

**Organism:** Rabbit

IHC-Polymer:1:2000-1:8000

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:2500-1:10000

**Molecular Weight Calculation:** 26 kDa

IF:1:50-1:100

**Observed Molecular Weight:** 26 kDa

WB:1:5000-1:50000

### Background:

AK2(Adenylate kinase 2, mitochondrial ) is also named as ADK2 and belongs to the adenylate kinase family. It plays a unique role in energy metabolism and energy transfer by regulating the ATP/ADP rate between the cytoplasm matrix and the mitochondria and it is increased expression during adipocyte and B cell differentiation. AK2 catalyzes the reversible transfer of a phosphoryl group from ATP to AMP. Defects in AK2 are the cause of reticular dysgenesis (RDYS). It has 6 isoforms produced by alternative splicing.

### Synonyms:

242899H7, adenylate kinase 2, Adenylate kinase 2, mitochondrial, N-terminally processed, Adenylate monophosphate kinase, ADK2

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

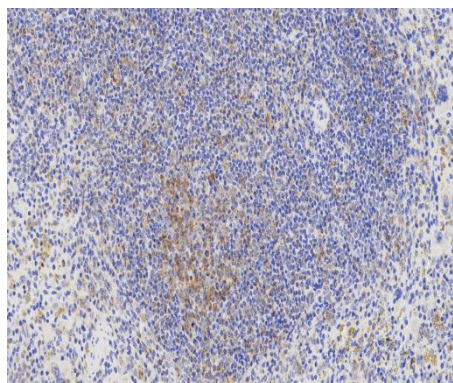
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Mouse spleen, 4% PFA 12-24h

### Source of Reagents:

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发表[英文论文]请标注:AK2(B36423S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.