

# AK4 Rabbit Polyclonal Antibody



CAB13461

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

25kDa

### Calculated MW:

25kDa

### Applications:

WB IF IP

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -  
1:200 IP 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the adenylate kinase family of enzymes. The encoded protein is localized to the mitochondrial matrix. Adenylate kinases regulate the adenine and guanine nucleotide compositions within a cell by catalyzing the reversible transfer of phosphate group among these nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. A pseudogene for this gene has been located on chromosome 17. Three transcript variants encoding the same protein have been identified for this gene. Sequence alignment suggests that the gene defined by NM\_013410, NM\_203464, and NM\_001005353 is located on chromosome 1.

## Immunogen information

### Gene ID:

205

### Uniprot

P27144

### Synonyms:

AK4; AK 4; AK3; AK3L1; AK3L2

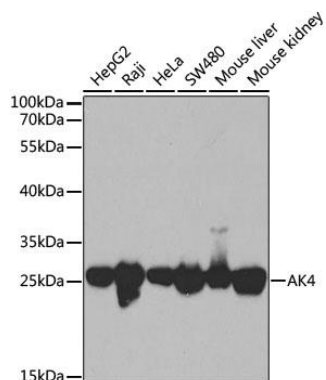
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-223 of human AK4 (NP\_037542.1).

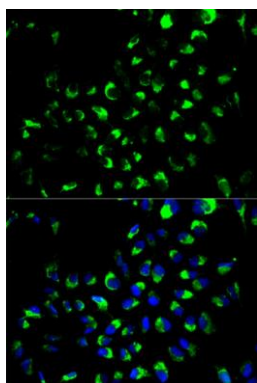
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

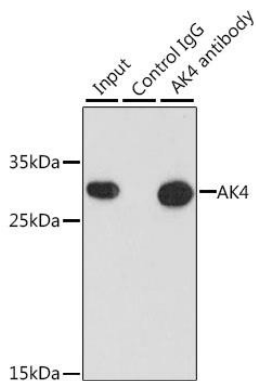
## Product Images



Western blot analysis of extracts of various cell lines, using AK4 antibody (CAB13461) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of A549 cells using AK4 antibody (CAB13461). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HepG2 cells, using 3 ug AK4 antibody (CAB13461). Western blot was performed from the immunoprecipitate using AK4 antibody (CAB13461) at a dilution of 1:1000.