## **AK1 Rabbit Polyclonal Antibody**



## **CAB1218**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

22kDa

Calculated MW:

21kDa

**Applications:** 

WB IHC IF

Reactivity:

Human, Mouse

**Protein Background** 

This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Immunogen information

Gene ID:

203

Uniprot P00568

**Synonyms:** AK1; HTL-S-58j

**Antibody Information** 

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-194 of human AK1 (NP\_000467.1).

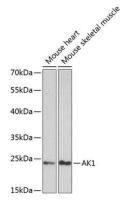
Storage:

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

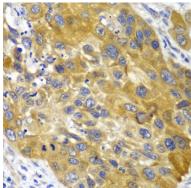
**Purification:** 

Affinity purification

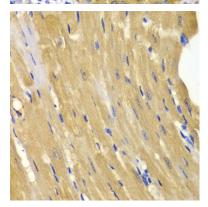
## **Product Images**



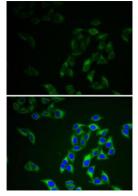
Western blot analysis of extracts of various cell lines, using AK1 antibody (CAB1218) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded human esophageal cancer using AK1 antibody (CAB1218) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using AK1 antibody (CAB1218) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using AK1 antibody (CAB1218). Blue: DAPI for nuclear staining.