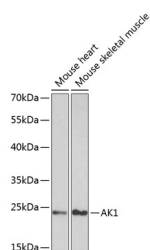


## AK1 Polyclonal Antibody

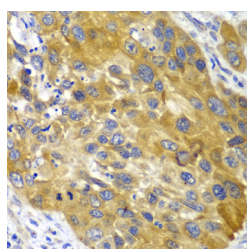
<b>Catalog No.</b>	E-AB-60259	<b>Reactivity</b>	H,M
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,IF	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

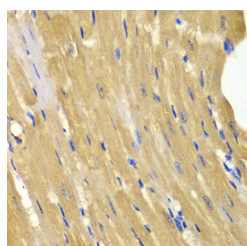
### Images



Western blot analysis of extracts of various cell lines using AK1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human esophageal cancer using AK1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse heart using AK1 Polyclonal Antibody at dilution of 1:100 (40x lens).

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human AK1 (NP_000467.1).
<b>GeneID</b>	203
<b>Swissprot</b>	P00568
<b>Synonyms</b>	AK1,HTL-S-58j

### Product Information

<b>Calculated MW</b>	21kDa
<b>Observed MW</b>	22kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.