

## AK4

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 25kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human AK4

**Storage Buffer:**

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

**Synonym:**

AK3; AK3L1; AK3L2;

**Catalog #:** A2050

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 205

**Isotype:** IgG

**Swiss Prot:** P27144

**Purity:** Affinity purification

For research use only.

**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. [provided by RefSeq, Jul 2008]

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