Elabscience®

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AK4 Polyclonal Antibody

Catalog No.	E-AB-60576	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,IF	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
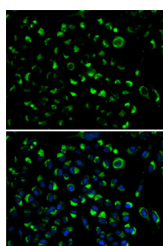
Images
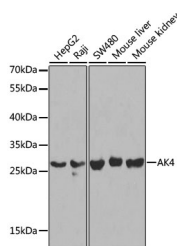
Western blot analysis of extracts of various cell lines using AK4 Polyclonal Antibody at dilution of 1:1000.
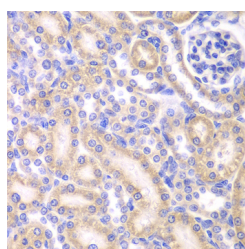
Immunohistochemistry of paraffin-embedded Rat kidney using AK4 Polyclonal Antibody at dilution of 1:200 (40x lens).

Immunofluorescence analysis of HeLa cells using AK4 Polyclonal Antibody

Immunogen Information

Immunogen	Recombinant fusion protein of human AK4 (NP_037542.1).
GeneID	205
Swissprot	P27144
Synonyms	AK4,AK 4,AK3,AK3L1,AK3L2

Product Information

Calculated MW	25kDa
Observed MW	27kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

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.

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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.