

## AK4 polyclonal antibody

Catalog: BS6519

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Adenylate kinases 1-5 (designated AK1-5) are a set of enzymes that regulate the phosphorylation state of intracellular adenine nucleotides, which are the principle high-energy phosphoryl-carrying molecules in living cells. AKs influence metabolic signals, which include gene expression, ion channel activity and protein kinase-mediated signaling, by catalyzing phosphoryl transfer between adenine nucleotides (AMP, ADP, ATP). Inherited mutations leading to AK deficiencies in erythrocytes have been implicated in hemolytic anemia. Rat AK4 mRNA is expressed as a 223 amino acid protein in the central nervous system from the middle stage of embryogenesis to adulthood.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 25 kDa

### Swiss-Prot:

P27144

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

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

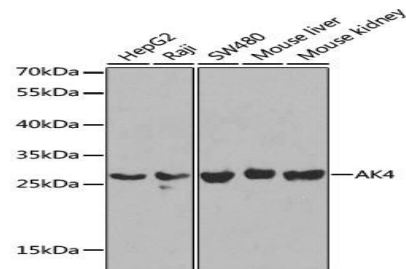
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

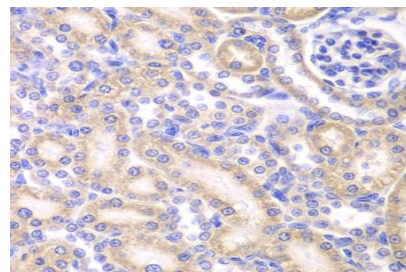
### Specificity:

AK4 polyclonal antibody detects endogenous levels of AK4 protein.

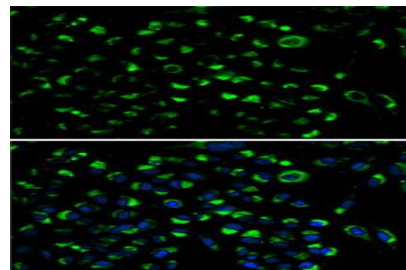
### DATA:



Western blot analysis of AK4 polyclonal antibody



Immunoprecipitation analysis of 200ug extracts of HepG2 cells, using 3 ug AK4 antibody.



Immunofluorescence analysis of A549 cells, using AK4 polyclonal antibody

### Note:

For research use only, not for use in diagnostic procedure.

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