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Datasheet for ABIN3022790

# anti-AK4 antibody (AA 1-223)



# **Images**

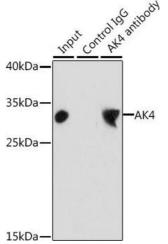


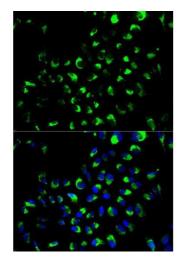
Overview
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Quantity:	100 μL
Target:	AK4
Binding Specificity:	AA 1-223
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-223 of human AK4 (NP_037542.1).
Sequence:	MASKLLRAVI LGPPGSGKGT VCQRIAQNFG LQHLSSGHFL RENIKASTEV GEMAKQYIEK SLLVPDHVIT RLMMSELENR RGQHWLLDGF PRTLGQAEAL DKICEVDLVI SLNIPFETLK DRLSRRWIHP PSGRVYNLDF NPPHVHGIDD VTGEPLVQQE DDKPEAVAAR LRQYKDVAKP VIELYKSRGV LHQFSGTETN KIWPYVYTLF SNKITPIQSK EAY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## **Target Details**

Target:	AK4
Alternative Name:	AK4 (AK4 Products)
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.,AK4,AK 4,AK3,AK3L1,AK3L2,Signal Transduction,Kinase,AK4
Molecular Weight:	25 kDa
Gene ID:	205
UniProt:	P27144
Pathways:	Nucleotide Phosphorylation, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200,IP,1:50 - 1:100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





## Immunoprecipitation

Image 1. Immunoprecipitation analysis of 200 µg extracts of HepG2 cells, using 3 µg antibody (ABIN3022789, ABIN3022790, ABIN3022791 and ABIN6219230). Western blot was performed from the immunoprecipitate using antibody (ABIN3022789, ABIN3022790, ABIN3022791 and ABIN6219230) at a dilition of 1:1000.

### **Immunohistochemistry**

Image 2.

## Immunofluorescence

Image 3. Immunofluorescence analysis of A549 cell using AK4 antibody. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 6 images are available for ABIN3022790.