

Rabbit anti-Human, Mouse AK4 Polyclonal Antibody | anti-AK4 antibody

AK4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281064	Rabbit	Human, Mouse	Immunoprecipitation, Immunofluorescence, Western Blot

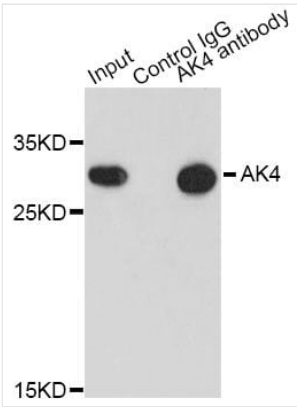
PRODUCT SYNONYMS

AK4; Polyclonal Antibody; AK4 Polyclonal Antibody; AK3; AK3L1; AK3L2; anti-AK4 antibody

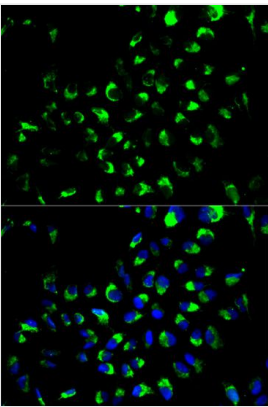
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MASKLLRAVI LGPPGSGKGT VCQRIAQNFG LQHLSSGHFL RENIKASTEY GEMAKQYIEK SLLVPDHVIT RLMMSELENR RGQHWLLDGF PRTLGAQAEAL DKICEVDLVI SLNIPFETLK DRLSRRWIHP PSGRVYNLDF NPPHVHGIDD VTGEPLVQQE DDKPEAVAAR LRQYKDVAKP VIELYKSRGV LHQFSGTETN KIWPYVYTLF SNKITPIQSK EAY
Sequence Length	223
Applicable Applications for anti-AK4 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human AK4
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion matrix
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

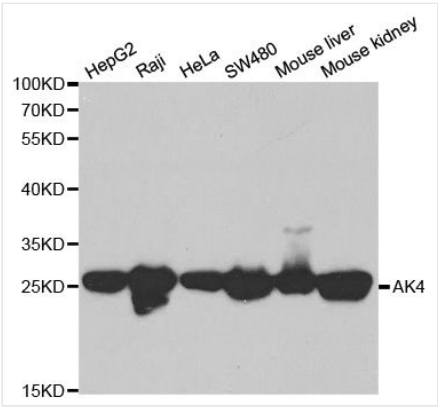
IMAGES



IP (Immunoprecipitation)
Immunoprecipitation analysis of 200ug extracts of HepG2 cells using 0.8ul AK4 antibody. Western blot was performed from the immunoprecipitate using AK4 antibody at a dilution of 1:1000.



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cells using AK4 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using AK4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-AK4 antibody	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.
Product Categories/Family for anti-AK4 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	53832003
NCBI GeneID	205
NCBI Accession #	NP_001005353.1
NCBI GenBank Nucleotide #	NM_001005353.2
UniProt Accession #	P27144; Q6IBH4; Q6NXQ5; Q8IUU9; B2R927; D3DQ62

Molecular Weight	Calculated: 25kDa Observed: 25kDa
NCBI Official Full Name	adenylate kinase 4, mitochondrial isoform a
NCBI Official Synonym Full Names	adenylate kinase 4
NCBI Official Symbol	AK4
NCBI Official Synonym Symbols	AK3; AK 4; AK3L1; AK3L2
NCBI Protein Information	adenylate kinase 4, mitochondrial
UniProt Protein Name	Adenylate kinase 4, mitochondrial
UniProt Gene Name	AK4
UniProt Synonym Gene Names	AK 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ak4-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/281064>