

Rabbit anti-Human, Mouse AK5 Polyclonal Antibody | anti-AK5 antibody

AK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327721	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

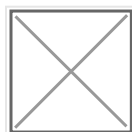
PRODUCT SYNONYMS

AK5; Polyclonal Antibody; AK5 Antibody; Adenylate kinase 5; Adenylate kinase 6; Adenylate kinase isoenzyme 5; AK 5; AK6; ATP AMP transphosphorylase 5; ATP-AMP transphosphorylase 5; KAD5; KAD5_HUMAN; MGC33326; anti-AK5 antibody

PRODUCT SPECIFICATIONS

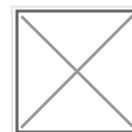
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	AK5 antibody detects endogenous levels of total AK5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	536
Applicable Applications for anti-AK5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AK5
Subcellular Location	Cytoplasm.
Tissue Specificity	Brain specific.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Dog
Similarity	Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327721 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of AK5 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-AK5 antibody	Function: Nucleoside monophosphate (NMP) kinase that catalyzes the reversible transfer of the terminal phosphate group between nucleoside triphosphates and monophosphates. Active on AMP and dAMP with ATP as a donor. When GTP is used as phosphate donor, the enzyme phosphorylates AMP, CMP, and to a small extent dCMP. Also displays broad nucleoside diphosphate kinase activity. Subunit Structure: Monomer. Similarity: Belongs to the adenylate kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28144899
NCBI GeneID	26289
NCBI Accession #	NP_036225.2
NCBI GenBank Nucleotide #	NM_012093.3
UniProt Accession #	Q9Y6K8; Q5U622; Q6FH66; Q7Z4T5; Q86YS0; Q8N464; Q96EC9
Molecular Weight	Observed: 22 kDa Predicted: 64 kDa
NCBI Official Full Name	adenylate kinase isoenzyme 5 isoform 2
NCBI Official Synonym Full Names	adenylate kinase 5
NCBI Official Symbol	AK5
NCBI Official Synonym Symbols	AK6
NCBI Protein Information	adenylate kinase isoenzyme 5
UniProt Protein Name	Adenylate kinase isoenzyme 5
UniProt Gene Name	AK5
UniProt Synonym Gene Names	AK 5

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://stage.aaabiotech.com/polyclonal/ak5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327721>