

Rabbit AK4 Polyclonal Antibody | anti-AK4 antibody

Rabbit anti-AK4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA222869	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

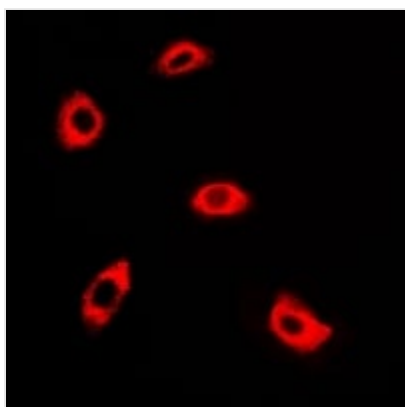
PRODUCT SYNONYMS

AK4; Polyclonal Antibody; Rabbit anti-AK4 Antibody; AK3; AK3L1; Adenylate kinase 4; mitochondrial; AK 4; Adenylate kinase 3-like; GTP:AMP phosphotransferase AK4; anti-AK4 antibody

PRODUCT SPECIFICATIONS

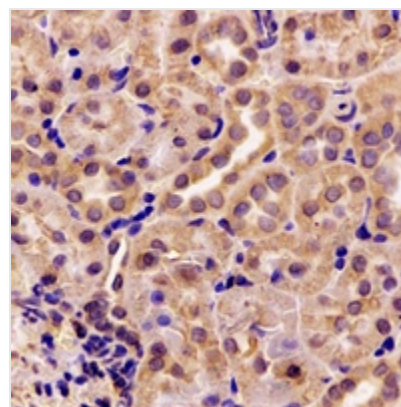
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-AK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human AK4
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



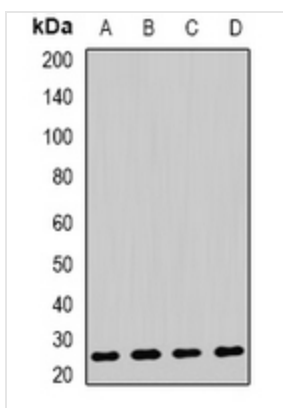
IF (Immunofluorescence)

Immunofluorescent analysis of AK4 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of AK4 staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of AK4 expression in HepG2 (A), Raji (B), mouse liver (C), mouse kidney (D) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-AK4 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125157
NCBI GeneID	205
UniProt Accession #	P27144; Q9WUR9; Q9WUS0
Molecular Weight	223
NCBI Official Full Name	Adenylate kinase 4, mitochondrial
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; AK4; AK 4; adenylate kinase 3-like 1; ATP-AMP transphosphorylase; mitochondrial adenylate kinase-3; nucleoside-triphosphate-adenylate kinase; adenylate kinase isoenzyme 4, mitochondrial; GTP:AMP phosphotransferase AK4, m
UniProt Protein Name	Adenylate kinase 4, mitochondrial
UniProt Gene Name	AK4
UniProt Entry Name	KAD4_HUMAN

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/ak4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/222869>