

AK2 recombinant antibody

Recombinant Anti-AK2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266272	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

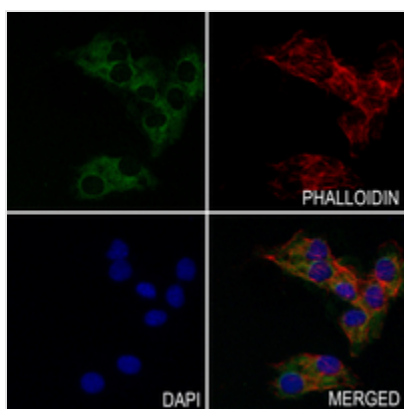
PRODUCT SYNONYMS

AK2; Monoclonal Recombinant Antibody; Recombinant Anti-AK2 Rabbit mAb; ADK2; Adenylate kinase 2; mitochondrial; AK 2; ATP-AMP transphosphorylase 2; ATP:AMP phosphotransferase; Adenylate monophosphate kinase; AK2 recombinant antibody

PRODUCT SPECIFICATIONS

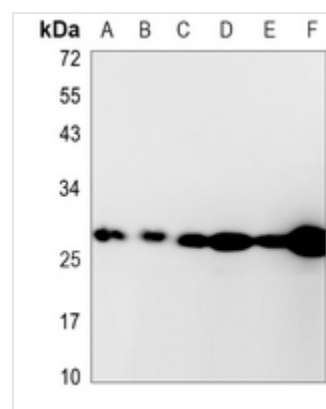
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of AK2 protein
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Applicable Applications for AK2 recombinant antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human AK2. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of AK2 staining in COS7 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 degree C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Western blot analysis of AK2 expression in HEK293T (A), MCF7 (B), mouse lung (C), mouse kidney (D), rat lung (E), rat kidney (F) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 26 kD)

ADDITIONAL INFORMATION

Related Product Information for AK2 recombinant antibody	Recombinant rabbit monoclonal antibody to AK2
Product Categories/Family for AK2 recombinant antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1708596
NCBI GeneID	204
UniProt Accession #	P54819; Q9WTP6; P29410
Molecular Weight	232
NCBI Official Full Name	Adenylate kinase 2, mitochondrial
NCBI Official Synonym Full Names	adenylate kinase 2
NCBI Official Symbol	AK2
NCBI Official Synonym Symbols	ADK2; AK 2
NCBI Protein Information	adenylate kinase 2, mitochondrial; AK2; AK 2; ATP:AMP phosphotransferase; ATP-AMP transphosphorylase 2; adenylate monophosphate kinase; adenylate kinase isoenzyme 2, mitochondrial
UniProt Protein Name	Adenylate kinase 2, mitochondrial
UniProt Gene Name	AK2
UniProt Entry Name	KAD2_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/monoclonal/ak2-recombinant-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/266272>