

Rabbit anti-Human, mouse AK2 Polyclonal Antibody | anti-AK2 antibody

AK2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288302	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

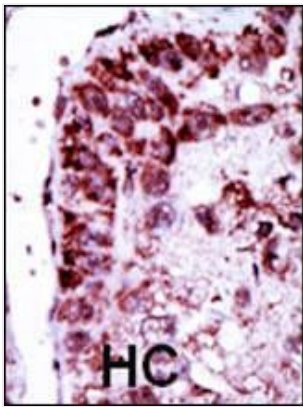
PRODUCT SYNONYMS

AK2; Polyclonal Antibody; AK2 Antibody (N-term); Adenylate kinase 2; mitochondrial {ECO:0000255|HAMAP-Rule:MF_03168}; AK 2 {ECO:0000255|HAMAP-Rule:MF_03168}; 2743 {ECO:0000255|HAMAP-Rule:MF_03168}; ATP-AMP transphosphorylase 2 {ECO:0000255|HAMAP-Rule:MF_03168}; ATP:AMP phosphotransferase {ECO:0000255|HAMAP-Rule:MF_03168}; Adenylate monophosphate kinase {ECO:0000255|HAMAP-Rule:MF_03168}; mitochondrial; N-terminally processed {ECO:0000255|HAMAP-Rule:MF_03168}; AK2 {ECO:0000255|HAMAP-Rule:MF_03168}; ADK2; anti-AK2 antibody

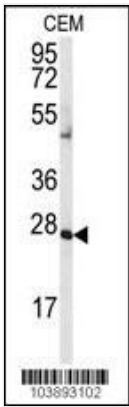
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human AK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	224
Applicable Applications for anti-AK2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

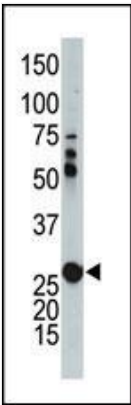
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-AK2 Antibody (N-term) in CEM cell line lysates (35ug/lane). AK2(arrow) was detected using the purified Pab.



WB (Western Blot)
The anti-AK2 Pab is used in Western blot to detect AK2 in mouse kidney tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-AK2 antibody	Adenylate kinases are involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. Five isozymes of adenylate kinase have been identified in vertebrates. Expression of these isozymes is tissue-specific and developmentally regulated. Isozyme 2 is localized in the mitochondrial intermembrane space and may play a role in apoptosis.
Product Categories/Family for anti-AK2 antibody	Cell Biology; Metabolism; Signal transduction
References	Noma, T., et al., Biochim. Biophys. Acta 1395(1):34-39 (1998). Lee, Y., et al., J. Biochem. 123(1):47-54 (1998). Lee, Y., et al., Biochem. Mol. Biol. Int. 39(4):833-842 (1996). Bruns, G.A., et al., Biochem. Genet. 15 (5-6), 477-486 (1977).

NCBI AND UNIPROT INFORMATION

NCBI GI #	312836806
NCBI GeneID	204
NCBI Accession #	NP_001186128.1; NP_001616.1; NP_037543.1
NCBI GenBank Nucleotide #	NM_001199199.1
UniProt Accession #	P54819; Q16856; Q5EB54; Q5TIF7; Q8TCY2; Q8TCY3; A8K6L1; B4DHH7; B4DL64

Molecular Weight	26478
NCBI Official Full Name	adenylate kinase 2, mitochondrial isoform c
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
UniProt Protein Name	Adenylate kinase 2, mitochondrial
UniProt Gene Name	AK2
UniProt Synonym Gene Names	AK 2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ak2-antibody-immunohistochemistry-western-blot-elisa/288302>