

Rabbit AK7 Polyclonal Antibody | anti-AK7 antibody

AK7 Antibody (C-term)

CATALOG # AAA286593	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Monkey)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

AK7; Polyclonal Antibody; AK7 Antibody (C-term); Adenylate kinase 7; AK 7; ATP-AMP transphosphorylase 7; anti-AK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 629-656 amino acids from the C-terminal region of human AK7.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	629-656
Sequence Length	723
Applicable Applications for anti-AK7 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 (Immunohistochemistry)

AK7 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AK7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-AK7 Antibody (C-term) in K562 cell line lysates (35ug/lane).AK7(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AK7 antibody	The adenylate kinases (AK) are a family of structurally and functionally related enzymes that catalyze a similar reaction, MgNTP + AMP = MgNDP + ADP (N = A or G). The AK enzymes are important for maintenance of homeostasis of the adenine and guanine nucleotide pools. AK1 is a cytosolic enzyme for which ATP is the substrate. AK2 catalyzes the same reaction as AK1, but it is localized in the mitochondrial intermembrane space. AK3 is present in the mitochondrial matrix and prefers GTP over ATP as the substrate.
Product Categories/Family for anti-AK7 antibody	Signal Transduction
References	Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727333
NCBI GeneID	122481
NCBI Accession #	NP_689540.2
NCBI GenBank Nucleotide #	NM_152327.3
UniProt Accession #	Q96M32; Q8IYP6
Molecular Weight	82658
NCBI Official Full Name	adenylate kinase 7
NCBI Official Synonym Full Names	adenylate kinase 7
NCBI Official Symbol	AK7
NCBI Official Synonym Symbols	AK 7
NCBI Protein Information	adenylate kinase 7
UniProt Protein Name	Adenylate kinase 7
UniProt Gene Name	AK7
UniProt Synonym Gene Names	AK 7
UniProt Entry Name	KAD7_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/ak7-antibody-immunohistochemistry-western-blot-elisa/286593>