

Rabbit anti-Human AK1 Polyclonal Antibody | anti-AK1 antibody

AK1 Antibody

CATALOG # AAA305572	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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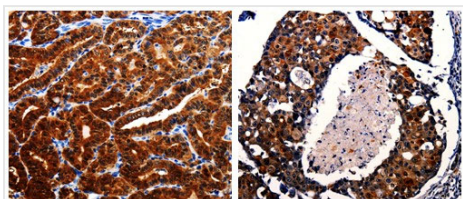
PRODUCT SYNONYMS

AK1; Polyclonal Antibody; AK1 Antibody; Adenylate kinase isoenzyme 1; ; anti-AK1 antibody

PRODUCT SPECIFICATIONS

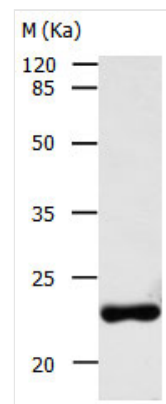
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total AK1 protein.
Form/Format	Supplied at 0.8mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	858
Applicable Applications for anti-AK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-194 amino acids of Human Adenylate kinase isoenzyme 1
Target Name	AK1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue (left) and Human breast cancer tissue (right) using 31027 (AK1 Antibody) at dilution 1/25.



Application Data

Gel: 10%SDS-PAGE Lysate: 30 ug HT-29 cell lysate Primary antibody: 1/400 dilution
Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution Exposure time: 2 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-AK1 antibody	Adenylate kinase is an enzyme involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate group among adinine nucleotides. Three isozymes of adenylate kinase have been identified in vertebrates, adenylate isozyme 1 (AK1), 2 (AK2) and 3 (AK3). AK1 is found in the cytosol of skeletal muscle, brain and erythrocytes, whereas AK2 and AK3 are found in the mitochondria of other tissues including liver and heart. AK1 was identified because of its association with a rare genetic disorder causing nonspherocytic hemolytic anemia where a mutation in the AK1 gene was found to reduce the catalytic activity of the enzyme.
Product Categories/Family for anti-AK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33876011
NCBI GeneID	203
Molecular Weight	21,635 Da
NCBI Official Full Name	Homo sapiens adenylate kinase 1, mRNA
NCBI Official Synonym Full Names	adenylate kinase 1
NCBI Official Symbol	AK1
NCBI Official Synonym Symbols	HTL-S-58j
NCBI Protein Information	adenylate kinase isoenzyme 1
UniProt Protein Name	Adenylate kinase isoenzyme 1
UniProt Gene Name	AK1
UniProt Synonym Gene Names	AK 1
UniProt Entry Name	KAD1_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/ak1-antibody-immunohistochemistry-western-blot-elisa/305572>