

Mouse AK3 Monoclonal Antibody | anti-AK3 antibody

AK3 antibody

CATALOG # AAA106222	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

AK3; Monoclonal Antibody; AK3 antibody; Monoclonal AK3; Anti-AK3; adenylate kinase; Ak6; FIX; Ak3L1; AkL3L; AkL3L1; adenylate kinase 3; adenylate kinase 6; adenylate kinase 3 like 1; AK 3; AK-3; anti-AK3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6G4
Purity/Purification	AK3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	4857
Applicable Applications for anti-AK3 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	Adenylate kinase is a ubiquitous monomeric enzyme involved energy metabolism of prokaryotic and eukaryotic cells. Three isozymes (Ak1, Ak2 and Ak3) are characterized in vertebrates. Ak1 is present in the cytosol of skeletal muscle, brain, and erythrocyte, while Ak2 is localized in the intermembrane space of mitochondria of liver, kidney, spleen and heart. Ak3, called GTP:AMP phosphotransferase, exists in the mitochondrial matrix of liver and heart. These isozymes contribute to homeostasis of the adenine nucleotide composition in the cell.
Cross-Reactivity	Human
Immunogen	AK3 antibody was raised in mouse using a full length recombinant protein of human AK3 (NP_057336) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of AK3 protein in paraffin embedded Human colon tissue using AK3 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AK3 protein (Right) or empty vector (Left) detected with AK3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AK3 antibody	Mouse monoclonal AK3 antibody
Product Categories/Family for anti-AK3 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792694
NCBI GeneID	57448
NCBI Accession #	NP_057336
NCBI GenBank Nucleotide #	NM_016252.3
UniProt Accession #	Q9NR09 ; Q9ULD1
Molecular Weight	530,255 Da
NCBI Official Full Name	baculoviral IAP repeat-containing protein 6
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 6
NCBI Official Symbol	BIRC6
NCBI Official Synonym Symbols	BRUCE; APOLLON
NCBI Protein Information	baculoviral IAP repeat-containing protein 6
UniProt Protein Name	Baculoviral IAP repeat-containing protein 6
UniProt Gene Name	BIRC6
UniProt Synonym Gene Names	KIAA1289; BRUCE; APOLLON
UniProt Entry Name	BIRC6_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/ak3-antibody-clone-6g4-western-blot-immunohistochemistry-flow-cytometry-elisa/106222>