

Mouse AK5 Monoclonal Antibody | anti-AK5 antibody

AK5 antibody

CATALOG # AAA74852	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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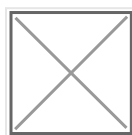
PRODUCT SYNONYMS

AK5; Monoclonal Antibody; AK5 antibody; Monoclonal AK5; Anti-AK5; Adenylate Kinase 5; AK6; MGC33326; AK 5; AK-5; anti-AK5 antibody

PRODUCT SPECIFICATIONS

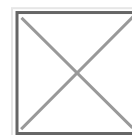
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2D3
Purity/Purification	AK5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	562
Applicable Applications for anti-AK5 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	AK5 is a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.
Cross-Reactivity	Human
Immunogen	AK5 antibody was raised in mouse using a full length recombinant protein of human AK5 (NP_777283) 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



WB (Western Blot)

Western Blot analysis using AK5 antibody. Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AK5 protein (Right) or empty vector (Left) detected with AK5 antibody.



IF (Immunofluorescence)

Immunofluorescent staining using AK5 antibody. Immunofluorescent staining of COS7 cells transiently transfected with recombinant AK5 protein using AK5 antibody.



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis using AK5 antibody
Flow Cytometric analysis of HEK293T cells transfected with either recombinant AK5 protein (red) or empty vector (blue) stained using AK5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AK5 antibody	Mouse monoclonal AK5 antibody
Product Categories/Family for anti-AK5 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	28144897
NCBI GeneID	26289
NCBI Accession #	NP_777283
NCBI GenBank Nucleotide #	NM_174858.2
UniProt Accession #	Q9Y6K8; Q5U622; Q6FH66; Q7Z4T5; Q86YS0; Q8N464; Q96EC9
Molecular Weight	60,315 Da
NCBI Official Full Name	adenylate kinase isoenzyme 5 isoform 1
NCBI Official Synonym Full Names	adenylate kinase 5
NCBI Official Symbol	AK5
NCBI Official Synonym Symbols	AK6
NCBI Protein Information	adenylate kinase isoenzyme 5
UniProt Protein Name	Adenylate kinase isoenzyme 5
UniProt Gene Name	AK5
UniProt Synonym Gene Names	AK 5
UniProt Entry Name	KAD5_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/ak5-antibody-clone-2d3-western-blot-immunofluorescence-flow-cytometry-elisa/74852>