Mouse KHK Monoclonal Antibody | anti-KHK antibody

KHK antibody

CATALOG #	HOST	APPLICATIONS
AAA106685	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

KHK; Monoclonal Antibody; KHK antibody; Monoclonal KHK; Anti-KHK; Ketohexokinase; Fructokinase; anti-KHK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3D1
Purity/Purification	KHK 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	298
Applicable Applications for anti-KHK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	KHK is a ketohexokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. KHK encodes the gene ketohexokinase that catalyzes conversion of fructose to fructose-1-phosphate. The splice variant presented encodes the highly active form found in liver, renal cortex, and small intestine, while the alternate variant encodes the lower activity form found in most other tissues.
Cross-Reactivity	Human
Immunogen	KHK antibody was raised in mouse using a full length recombinant protein of human KHK (NP_000212) 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

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant KHK protein using KHK antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of KHK protein in paraffin embedded Adenocarcinoma of Human breast tissue using KHK antibody

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

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557693
NCBI GeneID	3795
NCBI Accession #	NP_000212
NCBI GenBank Nucleotide #	NM_000221.2
UniProt Accession #	P50053; Q6IBK2; Q99532; Q9BRJ3; Q9UMN1
Molecular Weight	32,730 Da
NCBI Official Full Name	ketohexokinase isoform a
NCBI Official Synonym Full Names	ketohexokinase (fructokinase)
NCBI Official Symbol	KHK
NCBI Protein Information	ketohexokinase
UniProt Protein Name	Ketohexokinase
UniProt Gene Name	**KHK**
UniProt Entry Name	KHK_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/khk-antibody-clone-3d1-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106685