

Mouse anti-Human HK1 Monoclonal Antibody | anti-HK1 antibody

HK1 (Hexokinase-1) Antibody

CATALOG # AAA111319	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

HK1; Monoclonal Antibody; HK1 (Hexokinase-1) Antibody; HK I; glycolytic enzyme; hexokinase type I brain form hexokinase; anti-HK1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of HK1 and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	917
Applicable Applications for anti-HK1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human HK1 protein fragments expressed in E Coli.
Cellular Localization	Mitochondrion outer membrane

IMAGES



Application Data

Western blot detection of HK1 in HeLa&Jurkat cell lysates using HK1 antibody (1:10000 diluted). Predicted band size: 102kDa Observed band size: 102kDa



Application Data

Immunocytochemistry stain of HeLa using HK1 antibody (1:300).

ADDITIONAL INFORMATION

Related Product Information for anti-HK1 antibody	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein. [provided by RefSeq, Apr 2009]
Product Categories/Family for anti-HK1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497754
NCBI GeneID	3098
NCBI Accession #	NP_000179.2
NCBI GenBank Nucleotide #	NM_000188
UniProt Accession #	P19367; O43443; O43444; O75574; Q5VTC3; Q96HC8; Q9NNZ4; Q9NNZ5; E9PCK0
Molecular Weight	102kDa
NCBI Official Full Name	hexokinase-1 isoform HKI
NCBI Official Synonym Full Names	hexokinase 1
NCBI Official Symbol	HK1
NCBI Official Synonym Symbols	HK; HKD; HKI; HXK1; RP79; HMSNR; HK1-ta; HK1-tb; HK1-tc; hexokinase
NCBI Protein Information	hexokinase-1
UniProt Protein Name	Hexokinase-1
UniProt Gene Name	HK1
UniProt Synonym Gene Names	HK I

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/hk1-antibody-immunocytochemistry-western-blot-elisa/111319>