

Mouse HXK I Monoclonal Antibody | anti-HXKI antibody

HXK I Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320107	Mouse	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

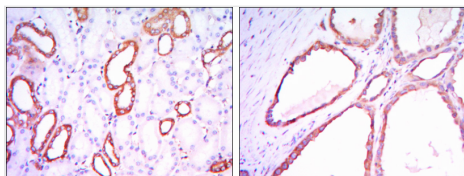
PRODUCT SYNONYMS

HXK I; Monoclonal Antibody; HXK I Monoclonal Antibody; Hexokinase-1; HK1; Brain form hexokinase; Hexokinase type I; HK I; anti-HXKI antibody

PRODUCT SPECIFICATIONS

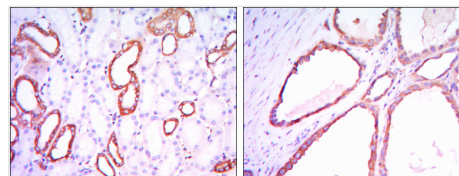
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	HXK I Monoclonal Antibody detects endogenous levels of HXK I protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-HXKI antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human HXK I expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



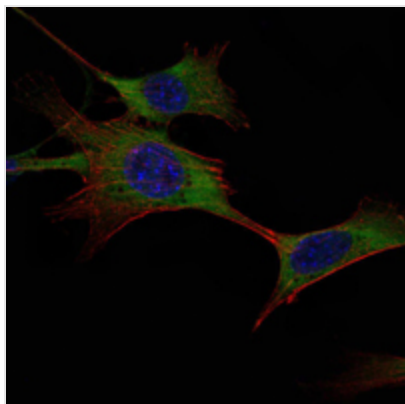
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of K562 cells using HXK I Monoclonal Antibody (green) and negative control (purple).



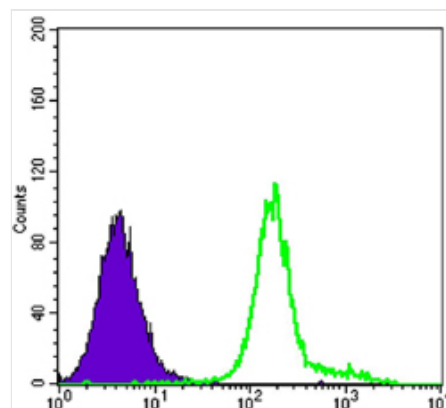
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using HXK I Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded kidney tissues with DAB staining using HXK I Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using HXK I Monoclonal Antibody against Jurkat (1). HeLa (2). HepG2 (3) and NIH/3T3 (4) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-HXK1 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 several transcript variants which encode different isoforms, some of which are tissue-specific. [provided by RefSeq, Apr 2016]
Product Categories/Family for anti-HXK1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497754
NCBI GeneID	3098
NCBI Accession #	NP_000179.2
NCBI GenBank Nucleotide #	NM_000188.2
UniProt Accession #	P19367; O43443; O43444; O75574; Q5VTC3; Q96HC8; Q9NNZ4; Q9NNZ5; E9PCK0
Molecular Weight	102,486 Da
NCBI Official Full Name	hexokinase-1 isoform HK1
NCBI Official Synonym Full Names	hexokinase 1
NCBI Official Symbol	HK1
NCBI Official Synonym Symbols	HK1; HXK1; HK1-ta; HK1-tb; HK1-tc
NCBI Protein Information	hexokinase-1; HK I; glycolytic enzyme; hexokinase type I; brain form hexokinase
UniProt Protein Name	Hexokinase-1
UniProt Gene Name	HK1
UniProt Synonym Gene Names	HK I
UniProt Entry Name	HXK1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/hxk-i-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320107>