

Mouse anti-Human, Rat Hexokinase-2 Monoclonal Antibody | anti-HXK2 antibody

Hexokinase-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111270	Mouse	Human, Rat	Flow Cytometry, Functional Assay, Western Blot

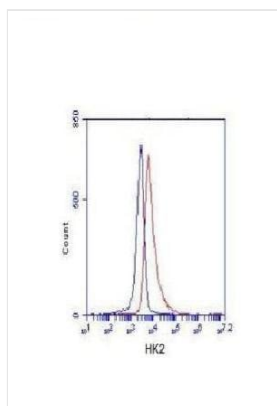
PRODUCT SYNONYMS

Hexokinase-2; Monoclonal Antibody; Hexokinase-2 Antibody; HKII; anti-HXK2 antibody

PRODUCT SPECIFICATIONS

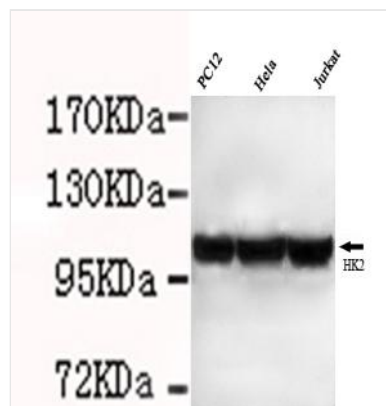
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels Hexokinase-2(N-terminus) and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	917
Applicable Applications for anti-HXK2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified recombinant human FYB protein fragments expressed in E Coli.
Cellular Localization	Mitochondrion outer membrane

IMAGES



Application Data

Flow Cytometry analysis of K562 cells stained with Hexokinase-2(N-terminus) (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.



Application Data

Western blot detection of Hexokinase-2(N-terminus) antibody in PC12, Hela & Jurkat lysates using Hexokinase-2(N-terminus) antibody (1:1000 diluted). Predicted band size: 102KDa. Observed band size: 102KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HXK2 antibody	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells. [provided by RefSeq, Apr 2009]
Product Categories/Family for anti-HXK2 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 #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180.2
NCBI GenBank Nucleotide #	NM_000189
UniProt Accession #	P52789; Q8WU87; Q9UN82; D6W5J2
Molecular Weight	102kDa
NCBI Official Full Name	hexokinase-2
NCBI Official Synonym Full Names	hexokinase 2
NCBI Official Symbol	HK2
NCBI Official Synonym Symbols	HKII; HXK2
NCBI Protein Information	hexokinase-2
UniProt Protein Name	Hexokinase-2
UniProt Gene Name	HK2
UniProt Synonym Gene Names	HK II

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/hexokinase-2-antibody-flow-cytometry-western-blot-elisa/111270>