

Mouse HK2 Monoclonal Antibody | anti-HK2 antibody

HK2 antibody

CATALOG # AAA106426	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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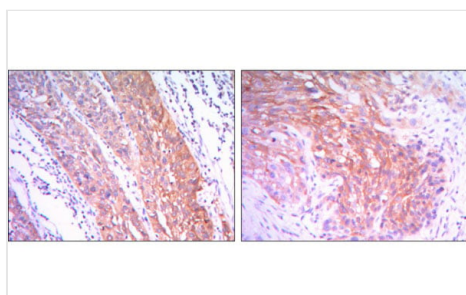
PRODUCT SYNONYMS

HK2; Monoclonal Antibody; HK2 antibody; Monoclonal HK2; Anti-HK2; HXK2; Hexokinase Type 2; HK-2; HK 2; Hexokinase 2; DKFZp686M1669; HKII; anti-HK2 antibody

PRODUCT SPECIFICATIONS

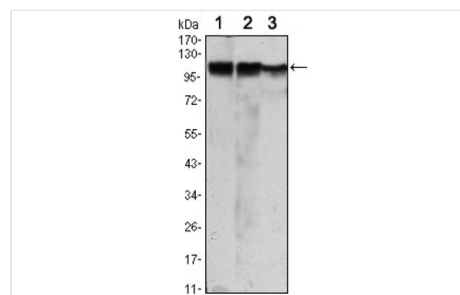
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3D3
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	917
Applicable Applications for anti-HK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Biological Significance	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. HK2 (hexokinase 2) is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this protein is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells. Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway.
Cross-Reactivity	Human
Immunogen	HK2 antibody was raised in Mouse using a purified recombinant fragment of human HK2 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded esophagus cancer tissues (left) and human lung cancer (right) using HK2 antibody with DAB staining.



WB (Western Blot)

Western Blot showing HK2 antibody used against Jurkat (1), Hela (2) and HEK293 (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-HK2 antibody	Mouse monoclonal HK2 antibody
Product Categories/Family for anti-HK2 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180.2
NCBI GenBank Nucleotide #	NM_000189.4
UniProt Accession #	P52789; Q8WU87; Q9UN82; D6W5J2
Molecular Weight	102,380 Da
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
UniProt Entry Name	HXK2_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/hk2-antibody-clone-3d3-western-blot-immunohistochemistry-immunofluorescence-elisa/106426>