

Mouse HK2 Monoclonal Antibody | anti-HK2 antibody

HK2 antibody

CATALOG # AAA74701	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
------------------------------	----------------------	---

PRODUCT SYNONYMS

HK2; Monoclonal Antibody; HK2 antibody; Monoclonal HK2; Anti-HK2; HK 2; HK-2; anti-HK2 antibody

PRODUCT SPECIFICATIONS

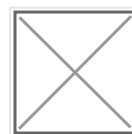
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4C5
Purity/Purification	HK2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	917
Applicable Applications for anti-HK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl group from ATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct enzymes (type 1 to 4 hexokinases) have been identified. These enzymes are found in most cells, but there is tissue specificity for the particular type of hexokinase. Hexokinase 2 is found in the skeletal muscle and includes hydrophobic N-terminal sequence capable of targeting the hexokinase to mitochondria.
Cross-Reactivity	Human, Dog
Immunogen	HK2 antibody was raised in mouse using a full length recombinant protein of human HK2 (NP_000180) 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 HK2 protein using HK2 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of HK2 protein in paraffin embedded Human endometrium tissue using HK2 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HK2 protein (Right) or empty vector (Left) detected with HK2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HK2 antibody	Mouse monoclonal HK2 antibody
Product Categories/Family for anti-HK2 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180
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.

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

Online datasheet: <https://stage.aaabiotech.com/monoclonal/hk2-antibody-clone-4c5-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74701>