

Rabbit HK2 Polyclonal Antibody | anti-HK2 antibody

HK2 antibody - middle region

CATALOG # AAA200351	HOST Rabbit	REACTIVITY Tested: Human; Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Western Blot
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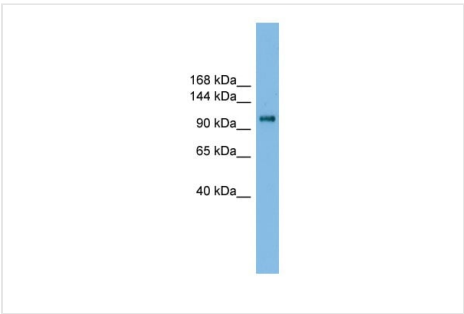
PRODUCT SYNONYMS

HK2; Polyclonal Antibody; HK2 antibody - middle region; anti-HK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested: Human; Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Applicable Applications for anti-HK2 antibody	WB (Western Blot)
Gene Symbol	HK2
Alias Symbols	DKFZp686M1669, HKII, HXK2
Protein Size (# AA)	917 amino acids
Official Gene Full Name	Hexokinase 2
Peptide Sequence	Synthetic peptide located within the following region: QRIKENKGEEERLRSTIGVDSVYKKHPHFAKRLHKTVRRLVPGCDVRFLR
Protein Interactions	UBQLN1; MAGEA12; SUMO2; SUMO3; UBC; EGFR; rev; H2AFV; WDR61; ARIH2; PDLIM1; PYGL; NUBP1; IPO5; HEXB; FNTA; FBXO6; PARK2; UBD; ITGA4; NUDCD3; UBQLN4; SLC2A4; ELAVL1; PTGDS; ZBTB17; PRKCE; IGFBP4;
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human HK2
Protein Name	Hexokinase-2
Predicted Homology Based on Immunogen Sequence	Cow: 79%; Dog: 100%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%Replacement Item
Preparation and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-HK2 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control:
HT1080 cell lysateHK2 is supported by BioGPS gene expression data to be expressed in
HT1080

ADDITIONAL INFORMATION

Related Product Information for anti-HK2 antibody	Description of Target: 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.
Product Categories/Family for anti-HK2 antibody	Polyclonal; Drugs and Drug Metabolism; Mitochondria; Signal Transduction; Various; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180
NCBI GenBank Nucleotide #	NM_000189
UniProt Accession #	P52789
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
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.