

Rabbit HK1 Polyclonal Antibody | anti-HK1 antibody

HK1 antibody - N-terminal region

CATALOG # AAA201054	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
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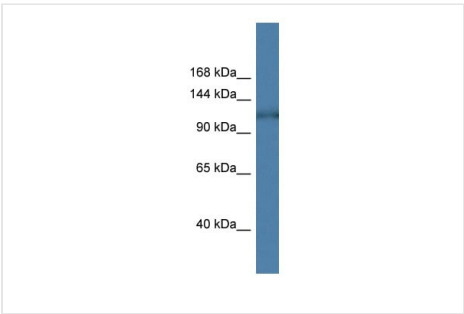
PRODUCT SYNONYMS

HK1; Polyclonal Antibody; HK1 antibody - N-terminal region; anti-HK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
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.
Sequence	Synthetic peptide with the following region: CQ QSKIDEAILI TWTKRFKASG VEGADVVKLL NKAIKKRGDY DANIVAVV
Sequence Length	921
Applicable Applications for anti-HK1 antibody	WB (Western Blot)
Protein Size (# AA)	921 amino acids
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HK1
Protein Interactions	SUMO2; SUMO3; STAU1; UBC; EGFR; SUMO1; NEDD8; MDM2; WDR61; UBA5; PARP6; NSFL1C; ARFGAP1; UBXN1; TWF2; FKBP9; PDCD10; PROSC; PLAA; GTF3C4; TUFM; TUBB2A; SGTA; RARS; PCNA; HEXB; HEXA; CAPN2; ASL; AHCY; PARK2; ATF2; VDAC1; LIG4; APP; AKT1; CDK2; SIRT7; ICT1;
Blocking Peptide	For anti-HK1 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-HK1 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Heart

ADDITIONAL INFORMATION

Related Product Information for anti-HK1 antibody	This is a rabbit polyclonal antibody against HK1. It was validated on Western Blot Target Description: 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 five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein.
Product Categories/Family for anti-HK1 antibody	Polyclonal; Drugs and Drug Metabolism; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	15991831
NCBI GeneID	3098
NCBI Accession #	NP_277033
NCBI GenBank Nucleotide #	NM_033498
UniProt Accession #	P19367
Molecular Weight	103kDa
NCBI Official Full Name	hexokinase-1 isoform HK1-ta/tb
NCBI Official Synonym Full Names	hexokinase 1
NCBI Official Symbol	HK1
NCBI Official Synonym Symbols	HK; HKD; HKI; HXK1; RP79; HMSNR; HK1-ta; HK1-tb; HK1-tc; hexokinase
NCBI Protein Information	hexokinase-1
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.

