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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54303_P050-Biotin
Product Page	www.avivasysbio.com/hk2-antibody-n-terminal-region-biotin-arp54303-p050-biotin.html
Name	HK2 Antibody - N-terminal region : Biotin (ARP54303_P050-Biotin)
Protein Size (# AA)	917 amino acids
Molecular Weight	102kDa
Conjugation	Biotin
NCBI Gene Id	3099
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Hexokinase 2
Alias Symbols	HKII, HXK2
Peptide Sequence	Synthetic peptide located within the following region: GTEHGEFLALDLGGTNFRVLWVKVTDNGLQKVEMENQIYAIPEDIMRGSG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Paudyal,B., (2008) Cancer Sci. 99 (2), 260-266
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. Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-348 AI278414.1 4-351 349-732 CB160837.1 11-394 c 733-1006 BM912287.1 1-274 c 1007-1333 AI085541.1 1-327 c 1334-1477 AW134604.1 8-151 1478-4058 AF148513.1 1-2581 4059-5498 BC064369.1 2575-4014 5499-5615 BM706373.1 303-419 5616-7109 BC064369.1 4130-5623
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;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-HK2 (ARP54303_P050-Biotin) antibody
Additional Information	IHC Information: 721_B cell lysate. Antibody concentration: 1.0 ug/ml. Gel concentration: 6-18%.
Blocking Peptide	For anti-HK2 (ARP54303_P050-Biotin) antibody is Catalog # AAP54303 (Previous Catalog # AAP31052)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HK2
Uniprot ID	P52789
Protein Name	Hexokinase-2
Sample Type Confirmation	HK2 is strongly supported by BioGPS gene expression data to be expressed in 721_B

Protein Accession #	NP_000180
Purification	Affinity Purified
Nucleotide Accession #	NM_000189
Gene Symbol	HK2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Image 1	

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Optimal conditions of its use should be determined by end users.

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