

HK2 Antibody

Catalog No: #32115

Package Size: #32115-1 50ul #32115-2 100ul

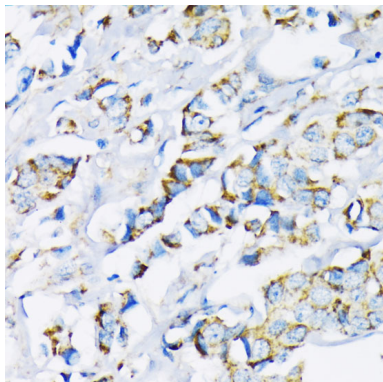
Description

Product Name	HK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HK2.
Conjugates	Unconjugated
Target Name	HK2
Other Names	HK2; DKFZp686M1669; HKII; HXK2;
Accession No.	Swiss-Prot:P52789NCBI Gene ID:3099
SDS-PAGE MW	102KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

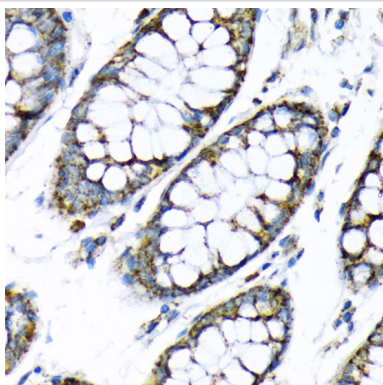
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

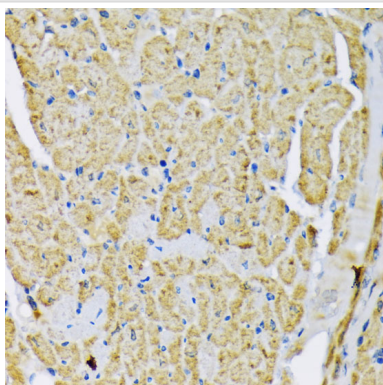
Images



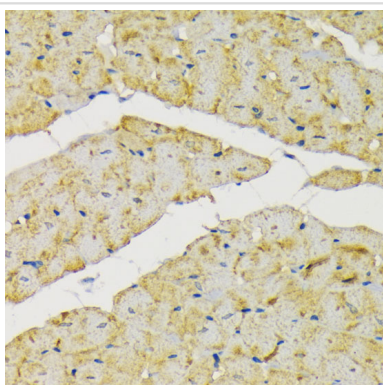
Immunohistochemistry of paraffin-embedded human breast cancer using HK2 at dilution of 1:200 (40x lens).



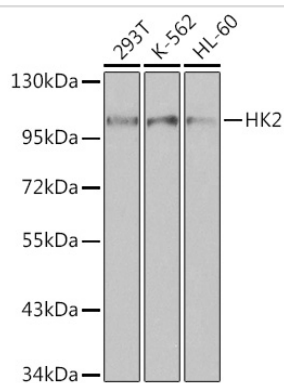
Immunohistochemistry of paraffin-embedded human colon using HK2 at dilution of 1:200 (40x lens).



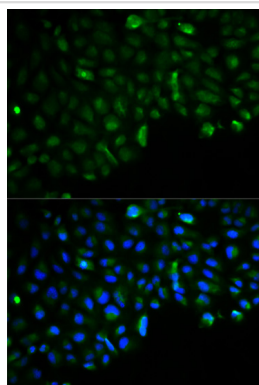
Immunohistochemistry of paraffin-embedded mouse heart using HK2 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using HK2 at dilution of 1:200 (40x lens).



Western blot analysis of extracts of various cell lines, using HK2 at 1:1000 dilution.



Immunofluorescence analysis of U2OS cells using HK2 . Blue: DAPI for nuclear staining.

Background

Hexokinase catalyzes the conversion of glucose to glucose-6-phosphate, the first step in glycolysis. Four distinct mammalian hexokinase isoforms, designated as hexokinase I, II, III, and IV (glucokinase), have been identified. Hexokinases I, II, and III are associated with the outer mitochondrial membrane and are critical for maintaining an elevated rate of aerobic glycolysis in cancer cells (Warburg Effect) (1) in order to compensate for the increased energy demands associated with rapid cell growth and proliferation (2,3).

Published Papers

el at., CircLARP4 Suppresses Cell Proliferation, Invasion and Glycolysis and Promotes Apoptosis in Non-Small Cell Lung Cancer by Targeting miR-135b. In Onco Targets Ther on 2020 May 4 by Huawei Lu, Qingwei Guo, et al..PMID:32440141, , (2020)

[PMID:32440141](#)

Ziyan Huang;Ziyan Huang;Ziyan Huang;Ziyan Huang;Xinzha Zhao Jiang;Xinzha Zhao Jiang;Xinzha Zhao Jiang;Xinzha Zhao Jiang;Lichen Zhang;Lichen Zhang;Lichen Zhang;Lichen Zhang;Wei Wang;Wei Wang;Wei Wang;Wei Wang;Ziang Li;Ziang Li;Ziang Li;Ziang Li;Yiyang Huang;Yiyang Huang;Yiyang Huang;Yiyang Huang;Yichang Xu;Yichang Xu;Yichang Xu;Yichang Xu;Liang Zhou;Liang Zhou;Liang Zhou;Liang Zhou;Jie Wu;Jie Wu;Jie Wu;Jie Wu;Jincheng Tang;Jincheng Tang;Jincheng Tang;Jincheng Tang;Kun Xi;Kun Xi;Kun Xi;Kun Xi;Yu Feng;Yu Feng;Yu Feng;Yu Feng;Liang Chen;Liang Chen;Liang Chen;Liang Chen el at., Multifunctional manganese-based nanogels catalyze immune energy metabolism to promote bone repair, , (2025)

[PMID:](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.