

HK2 Antibody

Catalog No: #32115



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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

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	Hu Ms Rt
Specificity	The antibody detects endogenous level of total HK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HK2.
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

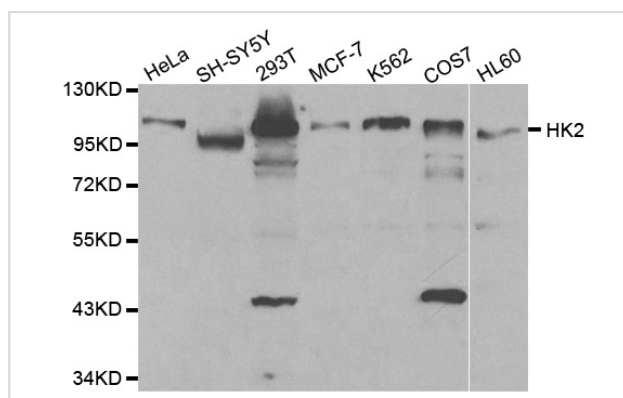
Application Details

Western blotting: 1:500 - 1:2000

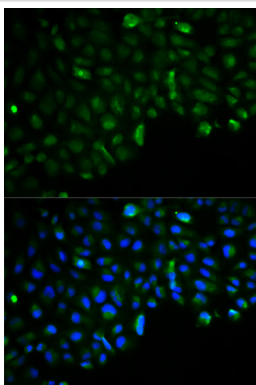
Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using HK2 antibody.



Immunofluorescence analysis of U2OS cell using HK2 antibody. 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](#)

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