

HXX I Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0759
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human HXX I expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Hexokinase-1
Synonyms	HK1; Hexokinase-1; Brain form hexokinase; Hexokinase type I; HK I

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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 several transcript variants which encode different isoforms, some of which are tissue-specific.

Recommended Dilution

ELISA: 1:10000

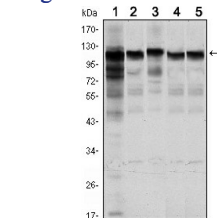
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

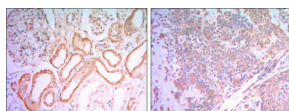
WB: 1:500 - 1:2000

Not yet tested in other applications.

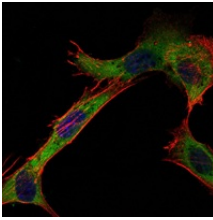
Images



Western Blot analysis using HXX I Monoclonal antibody against Jurkat (1) HeLa (2) HepG2 (3) MCF-7 (4) and PC-12 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human salivary gland tissues (left) and kidney tissues (right) with DAB staining using HXX I Monoclonal antibody.



Immunofluorescence analysis of NIH/3T3 cells using HXK I Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Storage

-20°C for one year

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