

## HXX I Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0758
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human HXX I expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human,Mouse,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, FCM, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Hexokinase-1
<b>Synonyms</b>	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

FC: 1:200 - 1:400

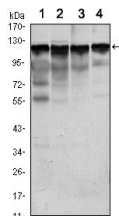
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

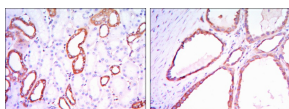
WB: 1:500 - 1:2000

Not yet tested in other applications.

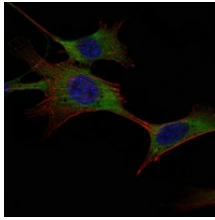
### Images



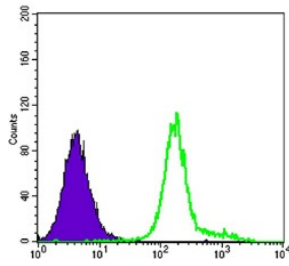
Western Blot analysis using HXX I Monoclonal antibody against Jurkat (1) HeLa (2) HepG2 (3) and NIH/3T3 (4) cell lysate.



Immunohistochemistry analysis of paraffin-embedded kidney tissues 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.



Flow cytometric analysis of K562 cells using HXK I Monoclonal antibody (green) and negative control (purple).

### Storage

-20°C for one year

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