

## HXK II Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0760
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human HXK II expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF, FCM, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Hexokinase-2
<b>Synonyms</b>	HK2; Hexokinase-2; Hexokinase type II; HK II; Muscle form hexokinase

**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 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.

### Recommended Dilution

ELISA: 1:10000

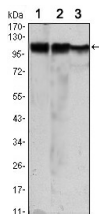
FC: 1:200 - 1:400

IHC: 1:200 - 1:1000

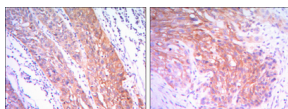
WB: 1:500 - 1:2000

Not yet tested in other applications.

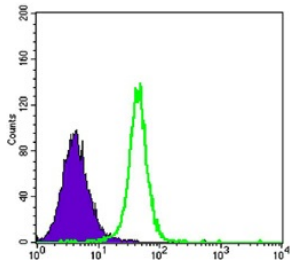
### Images



Western Blot analysis using HXK II Monoclonal antibody against Jurkat (1) HeLa (2) and HEK293 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded esophagus cancer tissues (left) and human lung cancer (right) with DAB staining using HXK II Monoclonal antibody.



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

### Storage

-20°C for one year

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