

## HXK II Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0761
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant human HXK II (N-terminus) protein fragments expressed in E.coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human,Mouse,Rat,Pig
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB
<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

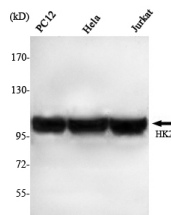
Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells.

### Recommended Dilution

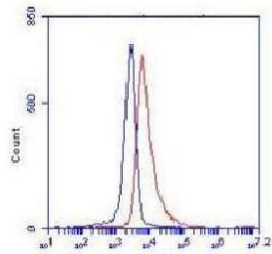
WB: 1:1000 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using HXK II Monoclonal antibody against PC12, HeLa, Jurkat cell lysate.



Flow cytometric analysis of K562 cells stained with HXK II Monoclonal antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.

### Storage

-20°C for one year

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