

## HXK I / HK1 monoclonal antibody

Catalog: MB0140

Host: Mouse

Reactivity: Human

### 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 five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein.

### Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

### Molecular Weight:

Predicted band size: 102kDa

Observed band size: 102kDa

### Swiss-Prot:

P19367

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~10000

ICC: 1:100~500

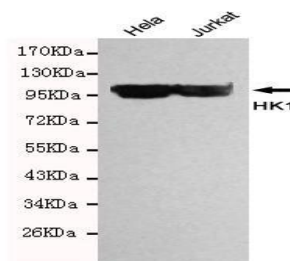
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

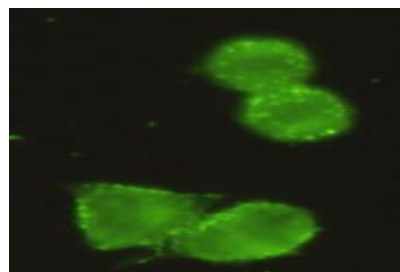
### Specificity:

This antibody detects endogenous levels of Hexokinase-1 and does not cross-react with related proteins

### DATA:



Western blot detection of HK1 in HeLa&Jurkat cell lysates using HK1 antibody (1:10000 diluted).



Immunocytochemistry stain of HeLa using HK1 antibody (1:300).

### Note:

For research use only, not for use in diagnostic procedure.

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