

## HK3 (Hexokinase III), Rabbit pAb

<b>CATALOG #:</b>	3198-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST(ISOTYPE):</b>	Rabbit (Ig)
<b>IMMUNOGEN:</b>	KLH conjugated synthetic peptide selected from the N-terminal region of human HK3.
<b>SPECIES REACTIVITY:</b>	Human

### FORMULATION:

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

### STORAGE CONDITIONS:

Maintain refrigerated at 2-8°C for up to 6 months or -20°C for long term storage.

### BACKGROUND DESCRIPTION:

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate.

### BACKGROUND REFERENCES:

1. Sui, D., et al., Arch. Biochem. Biophys. 382(2):262-274 (2000).
2. Lowes, W., et al., Biochim. Biophys. Acta 1379(1):134-142 (1998).
3. Furuta, H., et al., Genomics 36(1):206-209 (1996).
4. Palma, F., et al., Mol. Cell. Biochem. 155(1):23-29 (1996).
5. Colosimo, A., et al., Cytogenet. Cell Genet. 74(3):187-188 (1996).

### OTHER NAMES:

Hexokinase type III; HK III

### SPECIFICITY:

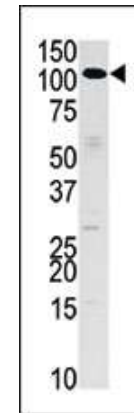
The antibody detects a ~ 99 kDa band, corresponding to the expected molecular mass of HK3 on immunoblots.

### APPLICATION (suggested concentration):

The antibody can be used for ELISA (0.25 µg/ml), Western blotting (0.5 – 2.5 µg/ml).

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### APPLICATION DATA (Calculated MW = 98919 Da):



Western blot analysis of anti-HK3 pAb (Cat. #3132-100) in HeLa cell line lysate (35µg/lane). HK3 (arrow) was detected using the purified pAb (1:40 dilution).

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System