



## Hexokinase 3, CT (Hexokinase-3, HK3, HXK3, Hexokinase Type III, HK III, HKIII) (APC)

### Catalog number

H2035-35C-APC

### Supplier

United States Biological

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the  $\gamma$  phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK).

### Applications

Suitable for use in FLISA, Western Blot, and Immunohistochemistry. Other applications not tested.

### Recommended Dilution

FLISA: 1:1,000

Western Blot: 1:100-1:500

Immunohistochemistry: 1:50-1:100

Optimal dilutions to be determined by the researcher.

### Storage and Stability

Store product at 4°C in the dark. DO NOT FREEZE! Stable at 4°C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

### Note

Applications are based on unconjugated antibody.

### Immunogen

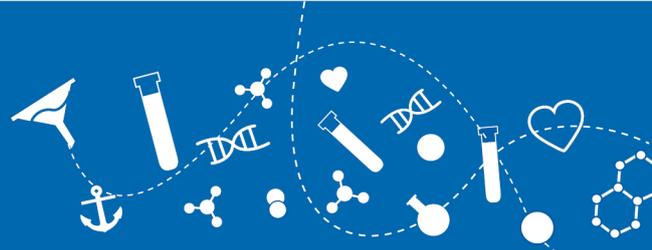
Synthetic peptide selected from the C-terminal region of human HK3 (KLH).

### Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).

### Purity

Purified by Protein G affinity chromatography.

**Specificity**

Recognizes human HK3.

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

FLISA IHC WB

**Crossreactivity**

Hu

**Storage**

4°C Do Not Freeze

**MW**

98.919

**Detection Method**

APC

**Reference**

1.Furuta, H., et al., Genomics 36(1):206-209 (1996). 2.Palma, F., et al., Mol. Cell. Biochem. 155(1):23-29 (1996). 3.Colosimo, A., et al., Cytogenet. Cell Genet. 74(3):187-188 (1996).