

**HK3 (Hexokinase III) Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8139d**

### Specification

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#### HK3 (Hexokinase III) Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	<a href="#">P52790</a>
Other Accession	<a href="#">NP_002106</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

#### HK3 (Hexokinase III) Antibody (N-term) - Additional Information

**Gene ID** 3101

#### Other Names

Hexokinase-3, Hexokinase type III, HK III, HK3

#### Target/Specificity

This HK3 (Hexokinase III) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HK3 (Hexokinase III).

#### Dilution

WB~~1:1000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

HK3 (Hexokinase III) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### HK3 (Hexokinase III) Antibody (N-term) - Protein Information

**Name** HK3 ([HGNC:4925](#))

**Function** Catalyzes the phosphorylation of hexose, such as D-glucose and D-fructose, to hexose 6-phosphate (D-glucose 6-phosphate and D-fructose 6-phosphate, respectively)

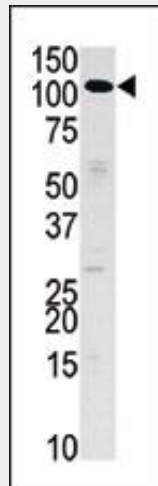
(PubMed:[8717435](#)). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate (PubMed:[8717435](#)).

### HK3 (Hexokinase III) Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HK3 (Hexokinase III) Antibody (N-term) - Images



Western blot analysis of anti-HK3 Pab (Cat. #AP8139d) in HeLa cell line lysate (35ug/lane). HK3(arrow) was detected using the purified Pab.

### HK3 (Hexokinase III) Antibody (N-term) - Background

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.

### HK3 (Hexokinase III) Antibody (N-term) - References

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

### HK3 (Hexokinase III) Antibody (N-term) - Citations

- [Analyses of resected human brain metastases of breast cancer reveal the association between up-regulation of hexokinase 2 and poor prognosis.](#)

