

HK3 (Hexokinase III) (CT) Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10114**Specification**

HK3 (Hexokinase III) (CT) Antibody - Product Information

Application	WB, IHC, E
Primary Accession	P52790
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	99025

HK3 (Hexokinase III) (CT) Antibody - Additional Information**Gene ID** 3101

Positive Control	Western Blot: HL-60 cell lysate and mouse brain tissue lysate Immunohistochemistry: Human Hepatocarcinoma tissue
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Application & Usage	The antibody can be used for ELISA (1:1000), Western Blotting (1:100 - 1:500), IHC (1:50 - 1:100).
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Other Names

Hexokinase type III, HK III

Target/Specificity

HK3 (Hexokinase III)

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.25 mg/ml) purified rabbit Ig polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

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

HK3 (Hexokinase III) (CT) Antibody - 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) (CT) Antibody - 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) (CT) Antibody - Images**HK3 (Hexokinase III) (CT) Antibody - 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.