

Datasheet for ABIN306422

## anti-Hexokinase antibody (AA 1-917)



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### 2 Images

#### Overview

Quantity:	100 µL
Target:	Hexokinase
Binding Specificity:	AA 1-917
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Hexokinase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	Recombinant human Hexokinase1 (1-917aa) purified from E. coli
Clone:	4D7
Isotype:	IgG2a kappa
Purification:	The antibody was purified from mouse ascitic fluids by protein-G affinity chromatography

#### Target Details

Target:	Hexokinase
Abstract:	<a href="#">Hexokinase Products</a>
Background:	Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl group from ATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct

## Target Details

enzymes-types 1 to 4 hexokinases-have been identified. The enzyme is found in most cells, but there is tissue specificity for the particular type of hexokinase. Hexokinase1 is found in the adipose tissue and liver and encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this hexokinase1 have been associated with hemolytic anemia due to hexokinase deficiency.

NCBI Accession: [NP\\_000179](#)

## Application Details

Application Notes: Recommended dilution 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

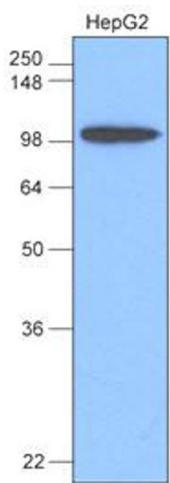
Buffer: In Phosphate-Buffered Saline (pH7.4) with 0.1% Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

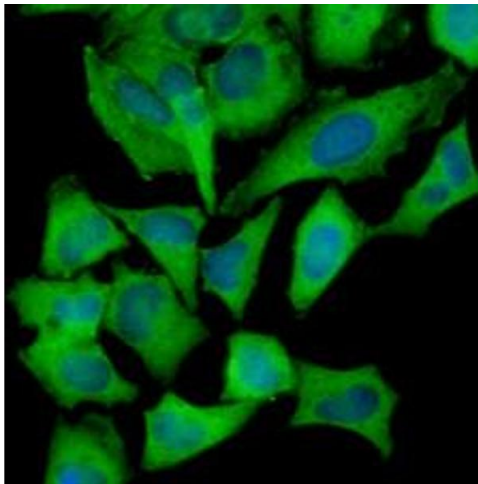
Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



### Western Blotting

**Image 1.**



### Immunofluorescence

**Image 2.** Immunofluorescence of human HeLa cells stained with Hoechst 33342 (Blue) and monoclonal anti-Hexokinase antibody (1:1000) with Alexa 488 (Green).