

Datasheet for ABIN7596072
anti-Hexokinase antibody (AA 1-917)



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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

Purpose:	Human Hexokinase antibody
Immunogen:	Recombinant human Hexokinase1 (1-917aa) purified from E. coli
Clone:	4D7
Isotype:	IgG2a kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	Hexokinase
Abstract:	Hexokinase Products
Background:	Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl

Target Details

group fromATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct enzymes-types 1 to 4hexokinases-have been identified. The enzyme is found in most cells, but there is tissue specificity for theparticular type of hexokinase. Hexokinase1 is found in the adipose tissue and liver and encodes a ubiquitous formof hexokinase which localizes to the outer membrane of mitochondria. Mutations in this hexokinase1 have beenassociated with hemolytic anemia due to hexokinase deficiency.

NCBI Accession: [NP_000179](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

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.