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HK2 (N2) Antibody, Rabbit Polyclonal

Cat#: R2287-2

Quantity: 100 ul

Predicted | Observed M.W.: 102 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P52789

Background:

HK2, hexokinase, phosphorylates glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. HK2 is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells.

Other Names:

Hexokinase type II, Muscle form hexokinase

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human HK2. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

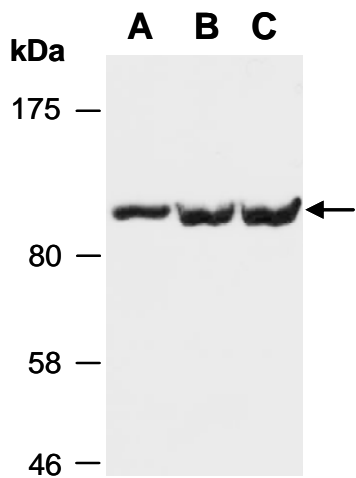


Fig 1. Western blot of total cell extracts from (A) mouse thymus, (B) human HeLa, (C) human Jurkat; using anti-HK2 (N2) (R2287-2) at RT for 2 h.