

## HK1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**102kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human HK1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HK1;HK1-ta;HK1-tb;HK1-tc;HK1;HXK1 ;

**Background:**

Hexokinase catalyzes the conversion of glucose to glucose-6-phosphate, the first step in glycolysis. Four distinct mammalian hexokinase isoforms, designated as hexokinase I, II, III, and IV (glucokinase), have been identified. Hexokinases I, II, and III are associated with the outer mitochondrial membrane and are critical for maintaining an elevated rate of aerobic glycolysis in cancer cells (Warburg Effect) (1) in order to compensate for the increased energy demands associated with rapid cell growth and proliferation (2,3).

**To place an order, please [Click HERE](#).**

**Catalog #:**A1054

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3098

**Isotype:**IgG

**Swiss Prot:**P19367

**Purity:**Affinity purification

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