

## HK2

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**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:**102kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human HK2

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

Hexokinase II;HK2;DKFZp686M1669;HKII;HXK2;

**Catalog #:**A0165

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3099

**Isotype:**IgG

**Swiss Prot:**P52789

**Purity:**Affinity purification

For research use only.

**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).

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