

HK2

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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