

HK2 Ab

[Images\(1\)](#)

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|---------------|-----------------|-----------------------|
| Cat.#: BF0283 | Concn.: ~1mg/ml | Mol.Wt.: 102kDa |
| Size: | Source: Mouse | Clonality: Monoclonal |

Application: ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, FCM 1:200-1:400
*The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human HK2 expressed in E. Coli.

Uniprot: P52789

Description: The hexokinases utilize Mg-ATP as a phosphoryl donor to catalyze the first step of intracellular glucose metabolism, the conversion of glucose to glucose- 6-phosphate. Four hexokinase isoenzymes have been identified, including hexokinase I (HXK I), hexokinase II (HXK II), hexokinase III (HXK III) and hexokinase IV (HXK IV, also designated glucokinase or GCK). Hexokinases I-III each contain an N-terminal cluster of hydrophobic amino acids. Glucokinase lacks the N-terminal hydrophobic cluster. The hydrophobic cluster is thought to be necessary for membrane binding.

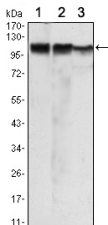


Figure 1: Western blot analysis using HK2 mouse mAb against Jurkat (1), Hela (2) and HEK293 (3) cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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