

Hexokinase 1 monoclonal antibody

Catalog: MB66660

Host: Mouse

Reactivity: Human, Mouse, Rat

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) in order to compensate for the increased energy demands associated with rapid cell growth and proliferation.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 102 kDa

Swiss-Prot:

P19367

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

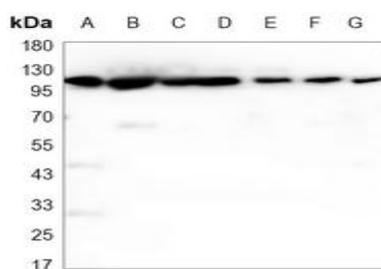
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of Hexokinase 1 protein.

DATA:



Western blot analysis of Hexokinase 1 expression in MCF7 (A), Jurkat (B), CHOK1 (C), C2C12 (D), C6 (E), NIH3T3 (F), HeLa (G) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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