



## Hexokinase II

### Mouse monoclonal Antibody

#53111

**Catalog Number:** 53111

**Amount:** 100µg/100µl

**Swiss-Prot No. :** P52789

**Gene name:**hk2

**Gene id:**3099

**Clone Number:** 3B9-F8-F10

**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

**Storage/Stability:** Store at -20°C/1 year

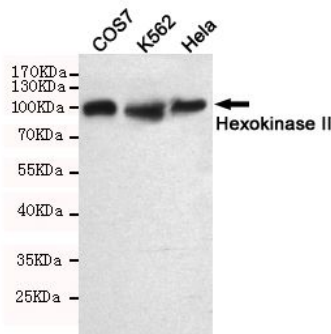
**Immunogen:** Purified recombinant human Hexokinase II protein fragments expressed in E.coli

**Purification:** affinity-chromatography

**Specificity/Sensitivity:** This antibody detects endogenous levels of Hexokinase II and does not cross-react with related proteins

**Reactivity:** Human,

**Applications:** Predicted MW: 102kd WB: 1:1000



Western blot detection of Hexokinase II in COS7, K562 and HeLa cell lysates using Hexokinase II mouse mAb (1:1000 diluted). Predicted band size: 102KDa. Observed band size: 102KDa.

### Background:

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells.