

Product datasheet for TA346965

Hexokinase II (HK2) Mouse Monoclonal Antibody [Clone ID: 3B9-F8-F10]

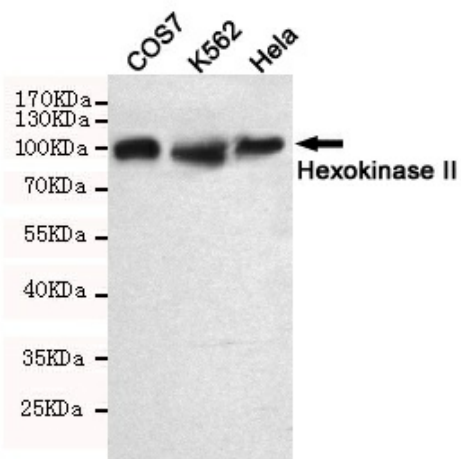
Product data:

Product Type:	Primary Antibodies
Clone Name:	3B9-F8-F10
Applications:	WB
Recommend Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for HK2 antibody: purified recombinant human Hexokinase II protein fragments expressed in E.coli.
Formulation:	PBS(pH 7.4) containing with 0.03% Proclin300 and 50% glycerol.
Purification:	Affinity purified
Predicted Protein Size:	102 kDa
Gene Name:	hexokinase 2
Database Link:	NP_000180 Entrez Gene 3099 Human
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.
Synonyms:	HKII; HXK2
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Starch and sucrose metabolism, Type II diabetes mellitus



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Product images:



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