

产品名称: HK2 Mouse Monoclonal Antibody
产品货号: AMM80881



产品概述 (Summary)

产品名称 (Production Name)	HK2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Rat,Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HK2
别名 (Alternative Names)	HKII; HXK2; DKFZp686M1669; HK2
基因 ID (Gene ID)	3099.0
蛋白 ID (SwissProt ID)	P52789.Purified recombinant fragment of human HK2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	102kDa

研究背景 (Background)

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

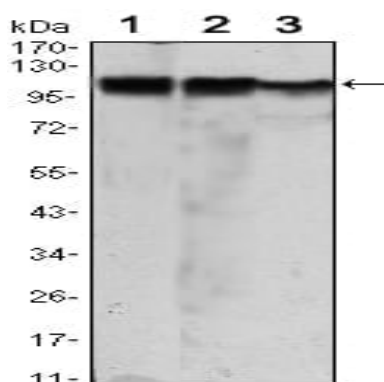
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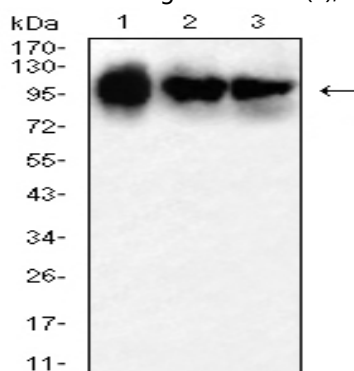
(HXK I), hexokinase II (HXK II), hexokinase III (HXK III) and hexokinase IV (HXK IV, also designated glucokinase or GCK). Hexokinases I-III each contain an N-terminal cluster of hydrophobic amino acids. Glucokinase lacks the N-terminal hydrophobic cluster. The hydrophobic cluster is thought to be necessary for membrane binding. This is substantiated by the finding that glucokinase has lower affinity for glucose than do the other hexokinases. Hexokinase 2 is the predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle. 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.

研究领域 (Research Area)

图片 (Image Data)

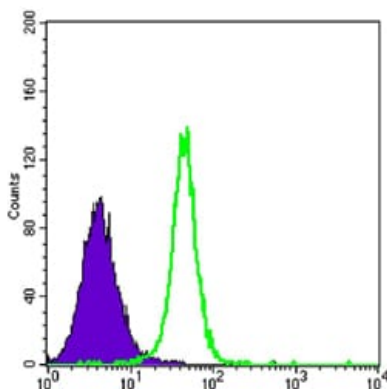


Western blot analysis using HK2 mouse mAb against Jurkat (1), HeLa (2) and HEK293 (3) cell lysate.

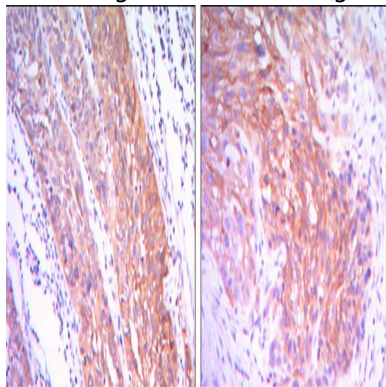


Western blot analysis using HK2 mouse mAb against C2C12(1)HEK293 (2) Jurkat(3) cell lysate.

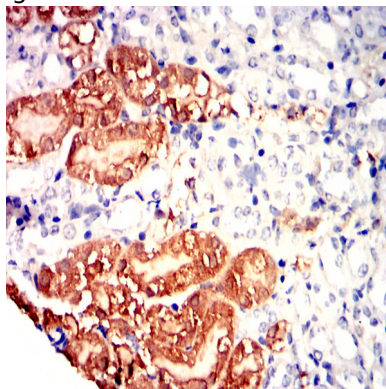
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Flow cytometric analysis of K562 cells using HK2 mouse mAb (green) and negative control (purple).

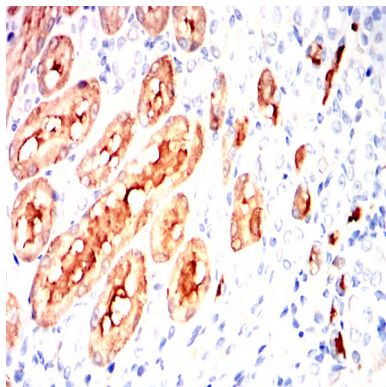


Immunohistochemical analysis of paraffin-embedded human esophagus cancer tissues (left) and human lung cancer (right) using HK2 mouse mAb with DAB staining.

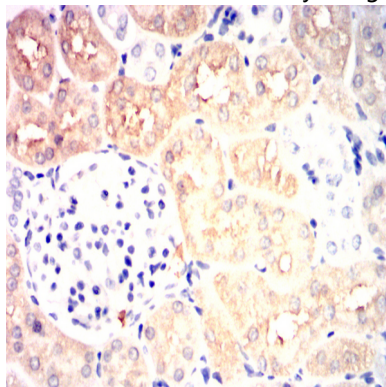


Immunohistochemical analysis of paraffin-embedded Mouse kidney using HK2 mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded Rat kidney using HK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit kidney using HK2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .