

产品名称: Creatine Kinase M Rabbit Polyclonal Antibody
产品货号: APRab09373



产品概述 (Summary)

产品名称 (Production Name)	Creatine Kinase M Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CKM
别名 (Alternative Names)	CKM; CKMM; Creatine kinase M-type; Creatine kinase M chain; M-CK
基因 ID (Gene ID)	1158.0
蛋白 ID (SwissProt ID)	P06732.The antiserum was produced against synthesized peptide derived from human M-CK. AA range:10-59

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	43kDa

研究背景 (Background)

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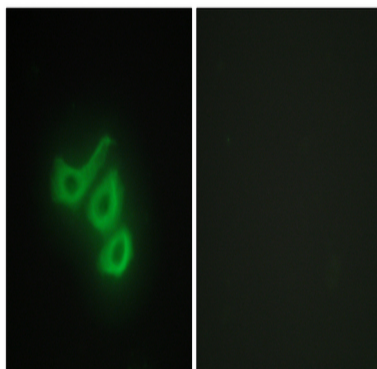


The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008],catalytic activity:ATP + creatine = ADP + phosphocreatine.,function:Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.,online information:CKM entry,online information:Creatine kinase entry,similarity:Belongs to the ATP:guanido phosphotransferase family.,subunit:Dimer of identical or non-identical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain.,

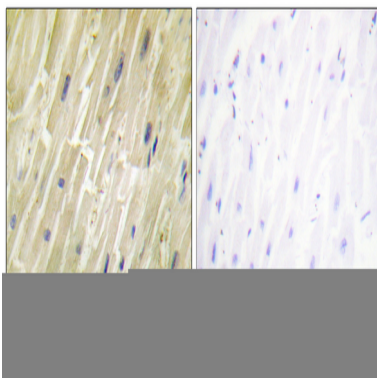
研究领域 (Research Area)

Arginine and proline metabolism;

图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using M-CK Antibody. The picture on the right is blocked with the synthesized peptide.

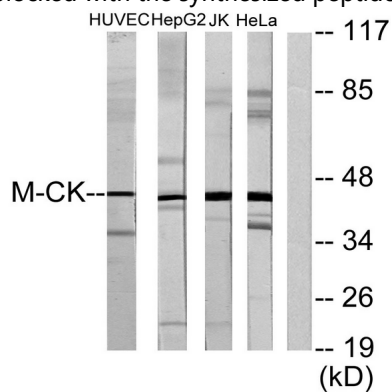


Immunohistochemistry analysis of paraffin-embedded human heart tissue, using M-CK Antibody. The picture on the right is

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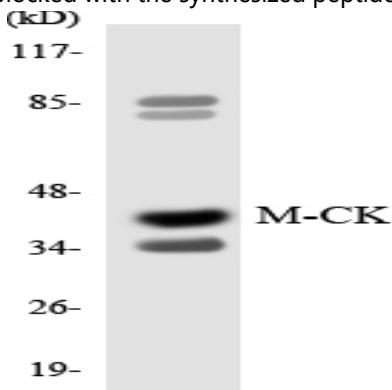


blocked with the synthesized peptide.

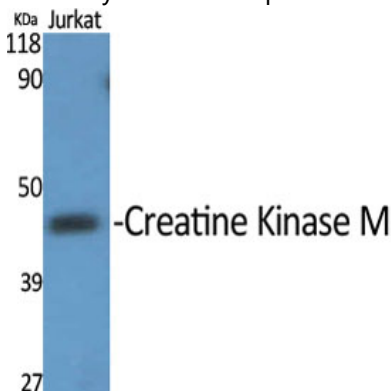


Western blot analysis of lysates from Jurkat, HeLa, HepG2, and HUVEC cells, using M-CK Antibody. The lane on the right is

blocked with the synthesized peptide.

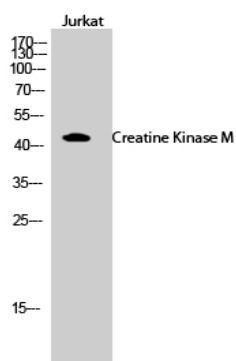


Western blot analysis of the lysates from HepG2 cells using M-CK antibody.

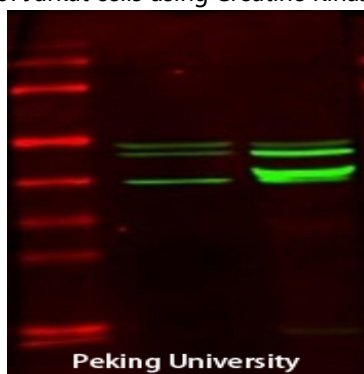


Western Blot analysis of various cells using Creatine Kinase M Polyclonal Antibody

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Western Blot analysis of Jurkat cells using Creatine Kinase M Polyclonal Antibody



The picture was kindly provided by our customer

注意事项 (Note)

For research use only .