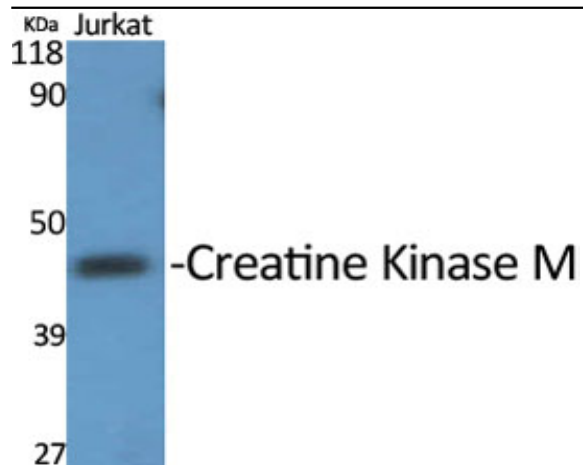


Creatine Kinase M Polyclonal Antibody

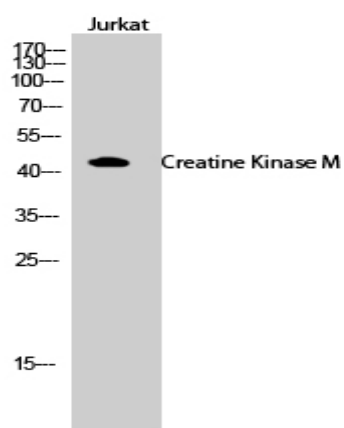
Catalog No :	YT1096
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Creatine Kinase M
Fields :	>>Arginine and proline metabolism;>>Metabolic pathways
Gene Name :	CKM
Protein Name :	Creatine kinase M-type
Human Gene Id :	1158
Human Swiss Prot No :	P06732
Mouse Gene Id :	12715
Mouse Swiss Prot No :	P07310
Rat Gene Id :	24265
Rat Swiss Prot No :	P00564
Immunogen :	The antiserum was produced against synthesized peptide derived from human M-CK. AA range:10-59
Specificity :	Creatine Kinase M Polyclonal Antibody detects endogenous levels of Creatine Kinase M protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	43kD
Cell Pathway :	Arginine and proline metabolism;
Background :	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],
Function :	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.,
Subcellular Location :	Cytoplasm.
Expression :	Liver,

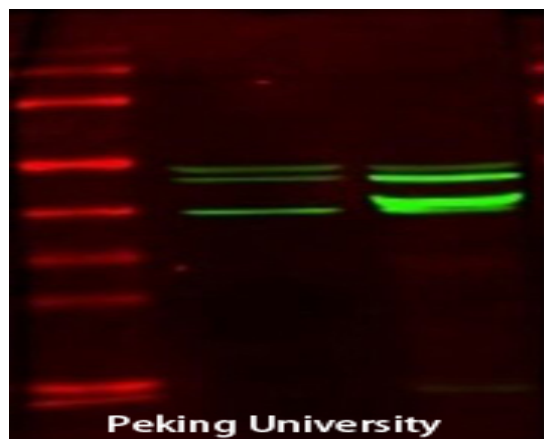
Products Images



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



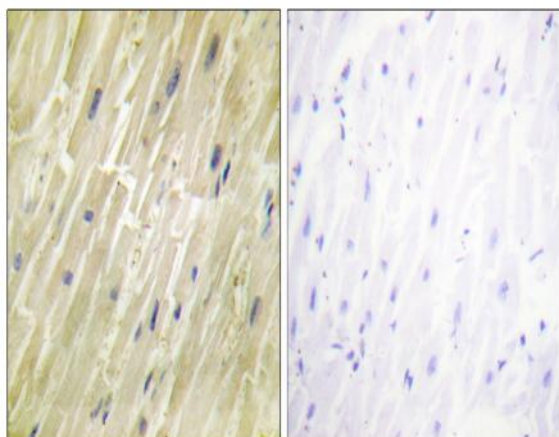
Western Blot analysis of Jurkat cells using Creatine Kinase M Polyclonal Antibody



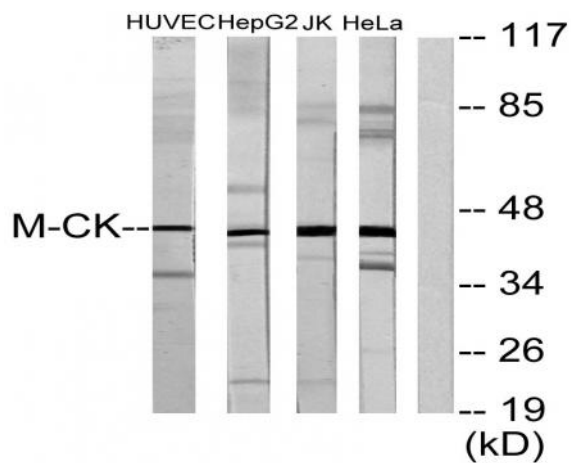
The picture was kindly provided by our customer



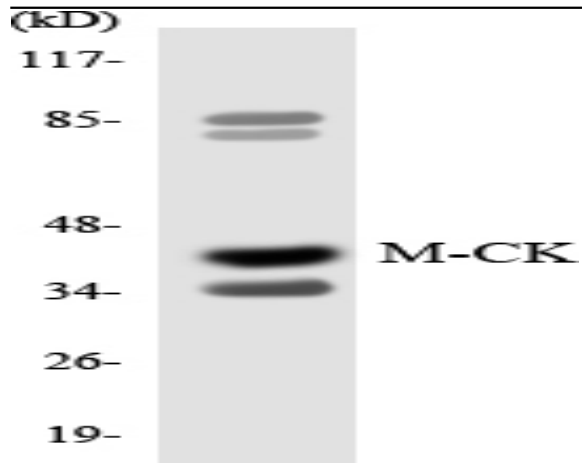
Immunofluorescence analysis of HepG2 cells, using M-CK Antibody. The picture on the right is blocked with the synthesized peptide.



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