

Creatine Kinase M rabbit pAb**Cat#: orb764918 (Manual)**

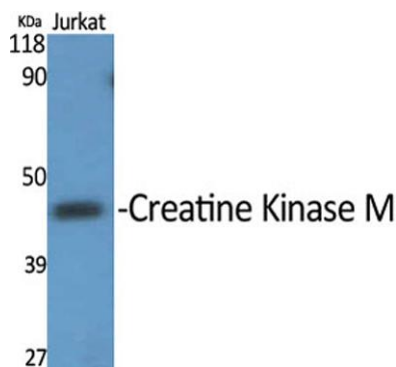
For research use only. Not intended for diagnostic use.

Product Name	Creatine Kinase M rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
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..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Creatine kinase M-type
Gene Name	CKM
Cellular localization	Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

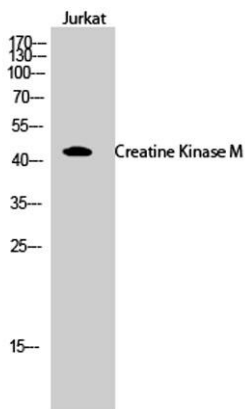
Concentration	1 mg/ml
Observed band	43kD
Human Gene ID	1158
Human Swiss-Prot Number	P06732
Alternative Names	CKM; CKMM; Creatine kinase M-type; Creatine kinase M chain; M-CK

Background

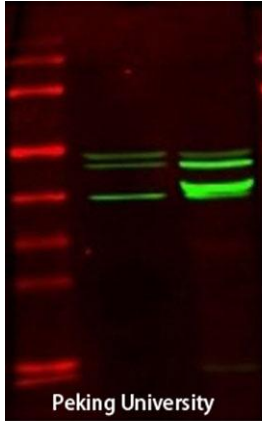
The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer 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],



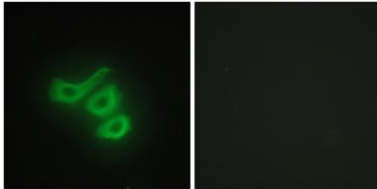
Western Blot analysis of various cells using Creatine Kinase M Polyclonal Antibody



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.