SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Creatine Kinase MB antibody

Catalog Number: SL14049R

FOR RESEARCH USE ONLY

[DATASHEET]

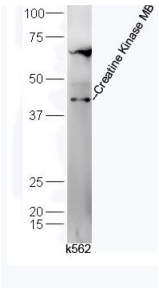
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Creatine Kinase MB
Immunogen:	KLH conjugated synthetic peptide derived from human Creatine Kinase MB: 281-381/381
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Dog,Pig,Rabbit,Sheep)
Predicted MW.:	42kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized. [provided by RefSeq, Jul 2008] **Function:** Creatine Kinase MB consists of a dimer of nonidentical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain. Creatine Kinase MB reversibly catalyses the transfer of phosphate between ATP and various phosphogens. The 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

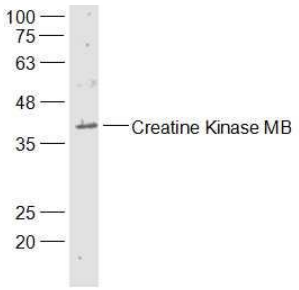
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	Subcellular Location: Cytoplasmic and Mitochondrial **Similarity:** Belongs to the ATP:guanido phosphotransferase family. Contains 1 phosphagen kinase C-terminal domain. Contains 1 phosphagen kinase N-terminal domain. **Database links:** **Entrez Gene:** 1152 Human **Entrez Gene:** 1158 Human Omim: 123310 Human **SwissProt:** P06732 Human **SwissProt:** P12277 Human

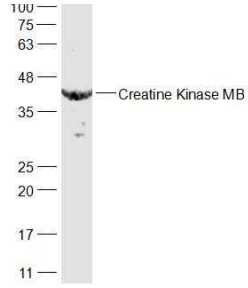
[VALIDATION IMAGES]



Protein: k562(human) lysate;
Primary: rabbit Anti-Creatine Kinase MB (SL14049R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;
Predicted band size: 42 kD
Observed band size: 42 kD



Sample:
Uterus (Mouse) Lysate at 40 ug
Primary: Anti-Creatine Kinase MB (SL14049R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 42 kD



Sample:
Muscle (Mouse) Lysate at 40 ug
Primary: Anti-Creatine Kinase MB (SL14049R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 42 kD

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