bs-14049R **[Primary Antibody]**

Creatine Kinase MB Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1158 **SWISS:** P06732

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

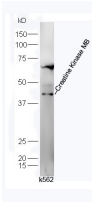
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Chicken, Dog)

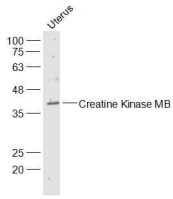
Predicted MW.: 42 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Protein: k562(human) lysate; Primary: rabbit Anti-Creatine Kinase MB (bs-14049R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-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 (bs-14049R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD

SELECTED CITATIONS

- **[IF=5.195]** Chuting Li. et al. Ginsenoside Rb1 promotes the activation of PPARα pathway via inhibiting FADD to ameliorate heart failure. EUR J PHARMACOL. 2023 May;947:175676 WB ;Rat. 37001580
- **[IF=1.3]** Tao Zhong. et al. Electrochemical immunosensor based on gold nanoparticles for the detection of creatine kinase as a cardiac marker. INT J ELECTROCHEM SC. 2024 Nov;19:100821 ;. 10.1016/j.ijoes.2024.100821