

MAA109Ra21

Monoclonal Antibody to Creatine Kinase, Muscle (CKM)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C17

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

Cross Reactivity: Human; Rat; Rabbit.

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant CKM (Lys11~Leu367 (Accession # P00564)) expressed in *E.coli*

Accession No.: RPA109Ra01

[APPLICATIONS]

Western blotting: 0.01-5μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

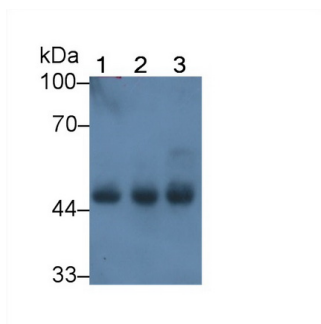
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

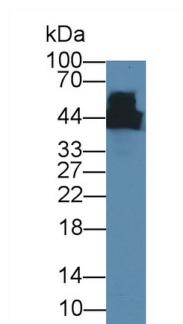
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

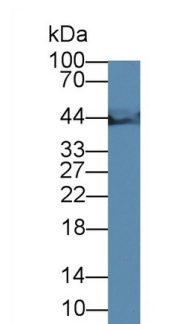
[IDENTIFICATION]



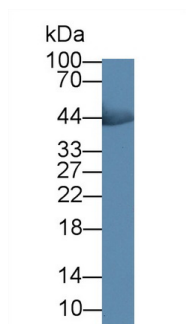
Western Blot; Sample: Lane1: Rabbit Cerebrum lysate; Lane2: Rabbit Skeletal muscle lysate; Lane3: Rabbit Heart lysate Primary Ab: 2µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



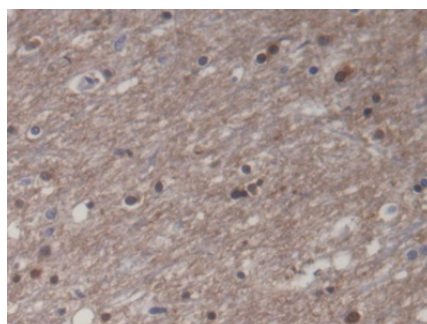
Western Blot; Sample: Mouse Cerebrum lysate; Primary Ab: 5µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



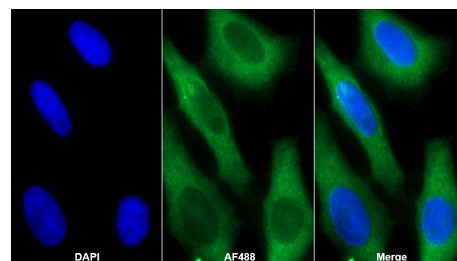
Western Blot; Sample: Human Serum; Primary Ab: 5µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Mouse Skeletal muscle lysate; Primary Ab: 5µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Samples: Human Cerebrum Tissue; Primary Ab: 20µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



AF488 staining on IF; Sample: HepG2 cell Primary Ab: 20µg/ml Mouse Anti-Rat CKM Antibody Second Ab: 2µg/mL AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu11)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.