

**creatine kinase M-type Antibody (N-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3953a****Specification**

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**creatine kinase M-type Antibody (N-Term) - Product Information**

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Application       | WB, E                                              |
| Primary Accession | <a href="#">P06732</a>                             |
| Other Accession   | <a href="#">NP_001815.2</a> , <a href="#">1158</a> |
| Reactivity        | Human, Mouse                                       |
| Predicted         | Dog                                                |
| Host              | Goat                                               |
| Clonality         | Polyclonal                                         |
| Concentration     | 0.5 mg/ml                                          |
| Isotype           | IgG                                                |
| Calculated MW     | 43101                                              |

**creatine kinase M-type Antibody (N-Term) - Additional Information****Gene ID** 1158**Other Names**

Creatine kinase M-type, 2.7.3.2, Creatine kinase M chain, M-CK, Creatine kinase M-type, N-terminally processed, CKM, CKMM

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

creatine kinase M-type Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**creatine kinase M-type Antibody (N-Term) - Protein Information****Name** CKM**Synonyms** CKMM**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.

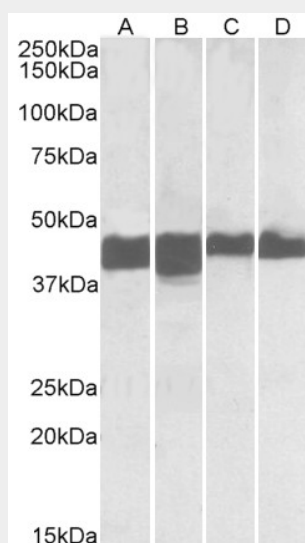
**Cellular Location**

Cytoplasm.

**creatine kinase M-type Antibody (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**creatine kinase M-type Antibody (N-Term) - Images**

AF3953a (0.01 µg/ml) staining of Human (A, C) and Mouse (B, D) Skeletal Muscle (A, B) and Heart (C, D) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**creatine kinase M-type Antibody (N-Term) - References**

Muscle creatine kinase deficiency triggers both actin depolymerization and desmin disorganization by advanced glycation end products in dilated cardiomyopathy. Diguët N, Mallat Y, Ladouce R, Clodic G, Prola A, Tritsch E, Blanc J, Larcher JC, Delcayre C, Samuel JL, Friguet B, Bolbach G, Li Z, Mericskay M. J Biol Chem. 2011 Oct 7;286(40):35007-19. PMID: 21768101