10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

creatine kinase M-type (aa258-270) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3954a

Specification

creatine kinase M-type (aa258-270) Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	P06732
Other Accession	NP_001815.2, 1158, 12715 (mouse), 24265 (rat)
Reactivity	**Human, Mouse, Pig**
Predicted	**Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**43101**

creatine kinase M-type (aa258-270) Antibody (internal region) - 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 (aa258-270) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

creatine kinase M-type (aa258-270) Antibody (internal region) - Protein Information

Name CKM

Synonyms CKMM

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

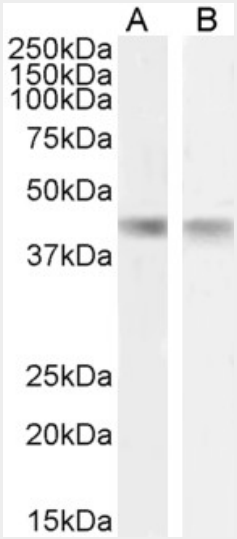
Cellular Location
Cytoplasm.

creatine kinase M-type (aa258-270) Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

creatine kinase M-type (aa258-270) Antibody (internal region) - Images



AF3954a (1 µg/ml) staining of Mouse (A) and Rat (B) Heart lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.

creatine kinase M-type (aa258-270) Antibody (internal region) - References

Muscle creatine kinase deficiency triggers both actin depolymerization and desmin disorganization by advanced glycation end products in dilated cardiomyopathy. Diguet 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