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Anti-Creatine Kinase M Antibody
Rabbit polyclonal antibody to Creatine Kinase M
Catalog # AP59516

Specification

Anti-Creatine Kinase M Antibody - Product Information

Application	**WB, IP, IF/IC, IHC**
Primary Accession	P06732
Other Accession	P07310
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43101**

Anti-Creatine Kinase M Antibody - Additional Information

Gene ID 1158

Other Names
CKMM; Creatine kinase M-type; Creatine kinase M chain; M-CK

Target/Specificity
Recognizes endogenous levels of Creatine Kinase M protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500), IP (1/10 - 1/100)
IP~~N/A
IF/IC~~N/A
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Creatine Kinase M Antibody - 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.

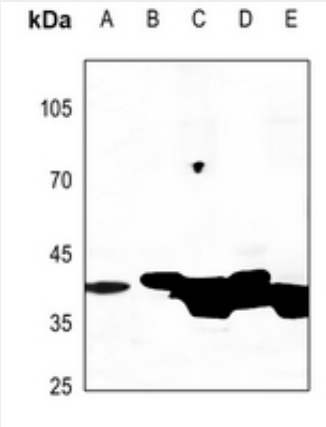
Cellular Location
Cytoplasm.

Anti-Creatine Kinase M Antibody - Protocols

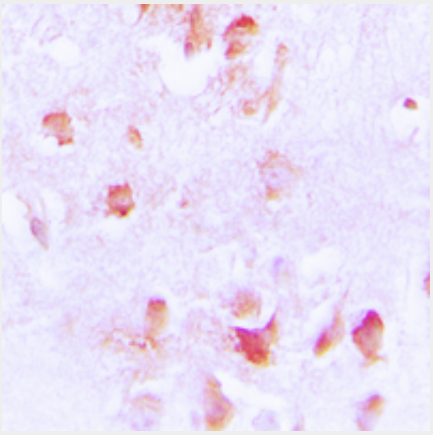
Provided below are standard protocols that you may find useful for product applications.

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

Anti-Creatine Kinase M Antibody - Images



Western blot analysis of Creatine Kinase M expression in MCF7 (A), mouse brain (B), mouse muscle (C), rat brain (D), rat muscle (E) whole cell lysates.



Immunohistochemical analysis of Creatine Kinase M staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted

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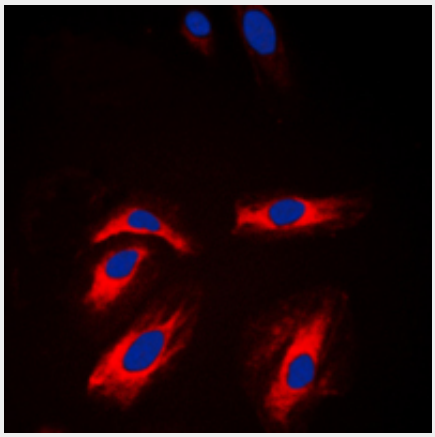
with DPX.



Immunofluorescent analysis of Creatine Kinase M staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-Creatine Kinase M Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Creatine Kinase M. The exact sequence is proprietary.