

## Rabbit Creatine kinase Polyclonal Antibody | anti-CKM antibody

Creatine kinase antibody

|                               |                       |                                                                                                    |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA107558</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence</b> |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|

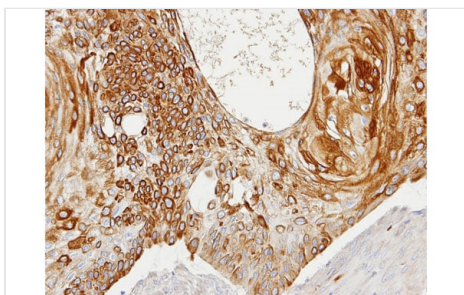
### PRODUCT SYNONYMS

Creatine kinase; Polyclonal Antibody; Creatine kinase antibody; Polyclonal Creatine kinase; Anti-Creatine kinase; creatine kinase B chain; CKBB; B-CK; creatine kinase-B; CKB; creatine kinase B-type; anti-CKM antibody

### PRODUCT SPECIFICATIONS

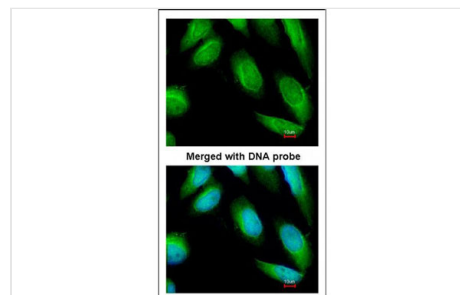
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                           | Creatine kinase antibody was purified by antigen-affinity chromatography                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                   | Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.                                                                                                                                                                                                                                                                                                |
| Concentration                                 | 0.54 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Length                               | 381                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-CKM antibody | WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)                                                                                                                                                                                                                                                                                                                                           |
| Biological Significance                       | The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. |
| Cross-Reactivity                              | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen                                     | Creatine kinase antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 165 and 381 of Creatine kinase                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                       | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                     |

### IMAGES



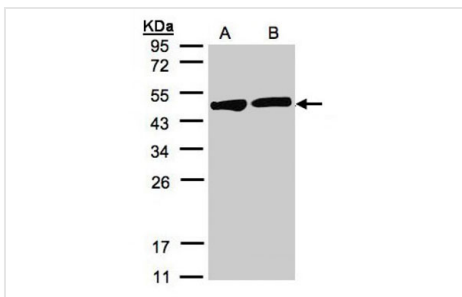
#### IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded HSC3 xenograft using Creatine kinase antibody at a dilution of 1:100



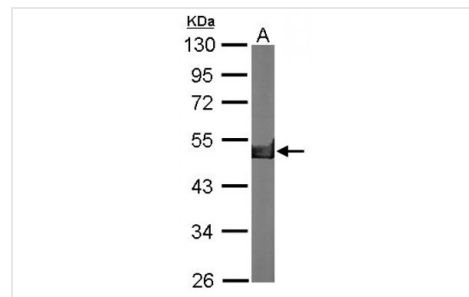
#### IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using Creatine Kinase BB antibody at 1:100 dilution.



#### WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: H1299; B: HeLa S3) using a 12 % SDS PAGE gel and Creatine kinase antibody at a dilution of 1:1000



#### WB (Western Blot)

Western blot analysis of 50 ug of whole cell lysate (A: Mouse brain) using a 10 % SDS PAGE gel and Creatine kinase antibody at a dilution of 1:10000

## ADDITIONAL INFORMATION

|                                                   |                                                                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CKM antibody | Affinity purified Rabbit polyclonal Creatine kinase antibody                                                                        |
| Product Categories/Family for anti-CKM antibody   | <a href="#">Proteases</a> ; <a href="#">Inhibitors</a> ; & <a href="#">Enzymes</a> ; <a href="#">Purified Polyclonal Antibodies</a> |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | <a href="#">180588</a>                          |
| NCBI GeneID                      | <a href="#">1158</a>                            |
| UniProt Accession #              | <a href="#">P06732</a> ; <a href="#">Q96QL9</a> |
| Molecular Weight                 | 43 kDa                                          |
| NCBI Official Full Name          | creatine kinase                                 |
| NCBI Official Synonym Full Names | creatine kinase, muscle                         |
| NCBI Official Symbol             | CKM                                             |
| NCBI Official Synonym Symbols    | CKMM; M-CK                                      |
| NCBI Protein Information         | creatine kinase M-type                          |
| UniProt Protein Name             | Creatine kinase M-type                          |
| UniProt Gene Name                | <b>CKM</b>                                      |
| UniProt Synonym Gene Names       | CKMM                                            |
| UniProt Entry Name               | KCRM_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/creatine-kinase-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107558>