

[Go to Product page](#)

Datasheet for ABIN2017593

anti-Creatine Kinase MB antibody (AA 300-350)

Overview

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|----------------------|--------------------------|
| Quantity: | 100 µg |
| Target: | Creatine Kinase MB (CKM) |
| Binding Specificity: | AA 300-350 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |

Product Details

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| Immunogen: | KLH-coupled synthetic peptide within residues 300-350 of human Creatine kinase M and Creatine kinase B |
| Isotype: | IgG |
| Specificity: | Rabbit Anti-Creatine kinase MB Polyclonal Antibody detects endogenous levels of human, mouse and rat Creatine kinase M and Creatine kinase B. |
| Cross-Reactivity: | Mouse (Murine), Rat (Rattus) |
| Cross-Reactivity (Details): | This product has not been tested for other species yet. |
| Characteristics: | Rabbit Anti-Creatine kinase MB Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 300~350 of human Creatine kinase M (Swiss Prot: P06732) and Creatine kinase B (Swiss Prot: P12277). |
| Purification: | Immunoaffinity chromatography |

Target Details

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| Target: | Creatine Kinase MB (CKM) |
| Alternative Name: | Creatine Kinase MB (CKM Products) |
| Background: | <p>Creatine kinase (CK) is a major enzyme involved in energy metabolism in tissues with large fluctuations of energetic demand. CK catalyses the reversible transfer of a high energy phosphoryl group between ATP and phosphocreatine. Creatine kinase consists of B subunit (brain type) and M subunit (muscle type) and therefore three different cytosolic isoenzymes exist: CK-MM, CK-BB and CK-MB. The major muscle isoform, CK-MM, is a homodimer of the M subunit. In contrast to muscle, the major creatine kinase isoform in brain is BB creatine kinase. In a few tissues, especially myocardium, a heterodimeric isoform MB creatine kinase is present. Rabbit Anti-Creatine kinase MB Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 300~350 of human Creatine kinase M (Swiss Prot: P06732) and Creatine kinase B (Swiss Prot: P12277).</p> <p>Synonyms: CKMB antibody</p> |
| UniProt: | P06732 , P12277 |

Application Details

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| Comment: | Positive Control: HEK293, SH-SY5Y, mouse brain and rat brain. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Reconstitution: | Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/mL. |
| Concentration: | 0.5 mg/mL |
| Buffer: | Lyophilized with PBS, pH 7.4, containing 0.02 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody |

can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below.