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# Recombinant Creatine kinase B type Monoclonal Antibody

catalog number: AN301963L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human;Rat;Mouse

Immunogen Recombinant human Creatine kinase B type fragment

Host Rabbit Isotype lgG, κ Clone A679

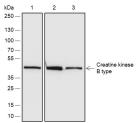
**Purification** Protein Apurified

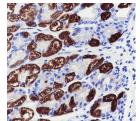
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

#### **Applications Recommended Dilution**

1:1000-1:2000 **WB** 1:200-1:500 IHC

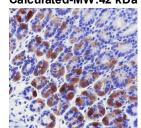
#### Data

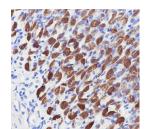




Western Blot with Creatine kinase B type Monoclonal Immunohistochemistry of paraffin-embedded Human Antibody at dilution of 1:2000. Lane 1: 293T, Lane 2: Mouse stomach using Creatine kinase B type Monoclonal Antibody at dilution of 1:500. brain, Lane 3: C6

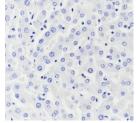
> Observed-MW:42 kDa Calculated-MW:42 kDa





Immunohistochemistry of paraffin-embedded Mouse stomach using Creatine kinase B type Monoclonal Antibody at dilution of 1:300.

Immunohistochemistry of paraffin-embedded Rat stomach using Creatine kinase B type Monoclonal Antibody at dilution of 1:300.



Immunohistochemistry of paraffin-embedded Human liver(Negative tissue) using Creatine kinase B type Monoclonal Antibody at dilution of 1:500.

## For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com



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# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

Creatine Kinase, an enzyme important for energy metabolism in cells of high and fluctuating energy requirements, catalyses the reversible transfer of a phosphoryl goup from phosphocreatine to ADP. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. Inactivation of creatine kinase by gliotoxin was accompanied by the formation of a 37 kDa form of the enzyme. This oxidized form of creatine kinase was rapidly reconverted to the 42-kDa species by the addition of reducing agents concomitant with restoration of activity.

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 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com
 Rev. V1.1