

## Recombinant Creatine kinase B type Monoclonal Antibody

**catalog number: AN301963L**

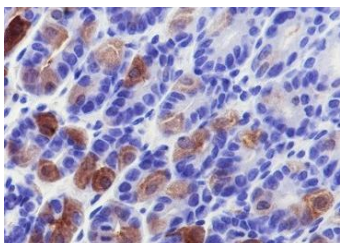
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

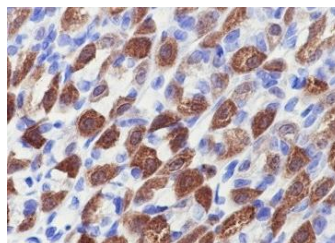
<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Recombinant human Creatine kinase B type fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A679
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

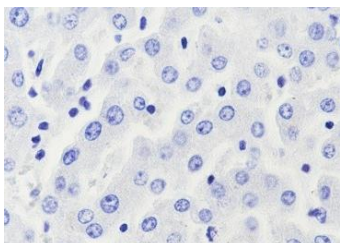
<b>WB</b>	1:1000-1:2000
<b>IHC</b>	1:200-1:500



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.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	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 group 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.

### For Research Use Only