Recombinant Creatine kinase B type Monoclonal Antibody

catalog number: **AN301963L**

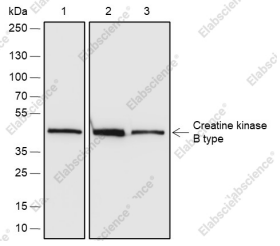
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human Creatine kinase B type
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111584
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:2000-1:20000
IHC-P	1:100-1:1000
ICC/IF	1:50-1:500
FCM	1:10-1:100

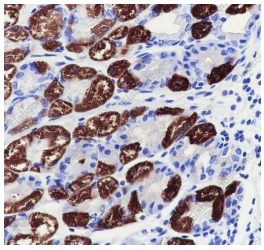
Data



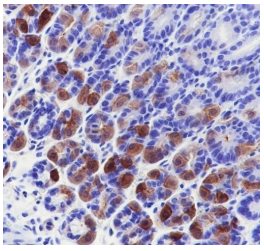
Western Blot with Creatine kinase B type Monoclonal Antibody at dilution of 1:2000. Lane 1: 293T, Lane 2: Mouse brain, Lane 3: C6

Observed-MW:43 kDa

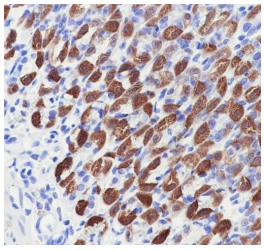
Calculated-MW:43 kDa



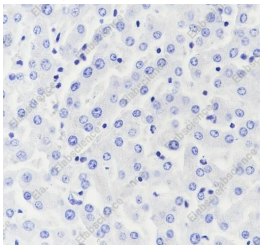
Immunohistochemistry of paraffin-embedded Human stomach using Creatine kinase B type Monoclonal Antibody at dilution of 1:500.



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

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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