Recombinant Casein Kinase 2 beta Monoclonal Antibody

catalog number: **AN301820L**

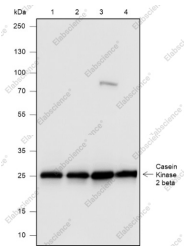
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Casein Kinase 2 beta fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111442
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50

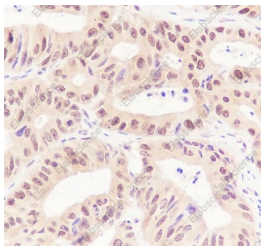
Data



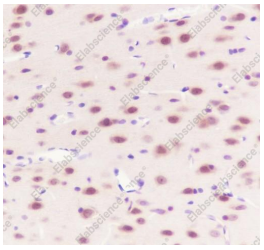
Western Blot with Casein Kinase 2 beta Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: NIH/3T3, Lane 4: C6

Observed-MW:25 kDa

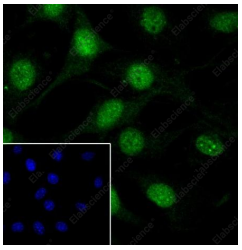
Calculated-MW:25 kDa



Immunohistochemistry of paraffin-embedded Human colon cancer using Casein Kinase 2 beta Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat cerebrum using Casein Kinase 2 beta Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed NIH/3T3 cells using anti-Casein Kinase 2 beta Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

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

Background

Casein Kinase 2 beta is a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. It participates in Wnt signaling, and plays a complex role in regulating the basal catalytic activity of the alpha subunit.

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