

CPEB4 polyclonal antibody

Catalog: BS32390

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Cytoplasmic polyadenylation element-binding protein 4: Sequence-specific RNA-binding protein that binds to the cytoplasmic polyadenylation element (CPE), an uridine-rich sequence element (consensus sequence 5'-UUUUUAU-3') within the mRNA 3'-UTR. RNA binding results in a clear conformational change analogous to the Venus fly trap mechanism. Regulates activation of unfolded protein response (UPR) in the process of adaptation to ER stress in liver, by maintaining translation of CPE-regulated mRNAs in conditions in which global protein synthesis is inhibited (By similarity). Required for cell cycle progression, specifically for cytokinesis and chromosomal segregation. Plays a role as an oncogene promoting tumor growth and progression by positively regulating translation of t-plasminogen activator/PLAT. Stimulates proliferation of melanocytes. In contrast to CPEB1 and CPEB3, does not play role in synaptic plasticity, learning and memory (...)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~80.2 kDa

Swiss-Prot:

Q17RY0

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

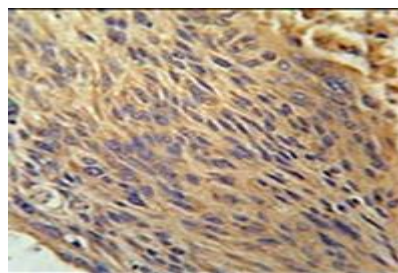
Specificity:

Recognizes endogenous levels of CPEB4 protein.

DATA:



Western blot analysis of CD16 expression in mouse liver (A), mouse spleen (B) whole cell lysates.



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD16 Antibody, followed by anti-mouse IgG PE.

Note:

For research use only, not for use in diagnostic procedure.

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