

[Go to Product page](#)

Datasheet for ABIN7149337

anti-CPEB1 antibody (AA 1-486) (Biotin)

Overview

Quantity:	100 µg
Target:	CPEB1
Binding Specificity:	AA 1-486
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPEB1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Cytoplasmic polyadenylation element-binding protein 1 protein (1-486AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CPEB1
Alternative Name:	CPEB1 (CPEB1 Products)
Background:	Background: Sequence-specific RNA-binding protein that regulates mRNA cytoplasmic polyadenylation and translation initiation during oocyte maturation, early development and at

Target Details

postsynapse sites of neurons. Binds to the cytoplasmic polyadenylation element (CPE), an uridine-rich sequence element (consensus sequence 5'-UUUUUUAU-3') within the mRNA 3'-UTR. In absence of phosphorylation and in association with TACC3 is also involved as a repressor of translation of CPE-containing mRNA, a repression that is relieved by phosphorylation or degradation (By similarity). Involved in the transport of CPE-containing mRNA to dendrites, those mRNAs may be transported to dendrites in a translationally dormant form and translationally activated at synapses (By similarity). Its interaction with APLP1 promotes local CPE-containing mRNA polyadenylation and translation activation (By similarity). Induces the assembly of stress granules in the absence of stress.

Aliases: CEBP antibody, CPE binding protein 1 antibody, CPE BP1 antibody, CPE-binding protein 1 antibody, CPE-BP1 antibody, CPEB 1 antibody, CPEB antibody, CPEB-1 antibody, CPEB1 antibody, CPEB1 protein antibody, CPEB1_HUMAN antibody, Cytoplasmic polyadenylation binding protein 1 antibody, Cytoplasmic polyadenylation element binding protein antibody, Cytoplasmic polyadenylation element binding protein 1 antibody, Cytoplasmic polyadenylation element-binding protein 1 antibody, FLJ13203 antibody, h CEBP antibody, h-CEBP antibody, hCPEB 1 antibody, hCPEB-1 antibody, MGC34136 antibody, MGC60106 antibody, mKIAA0940 antibody, MKIAA0940 protein antibody

UniProt: [Q9BZB8](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.