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## Datasheet for ABIN7149336 **anti-CPEB1 antibody (AA 1-486)**

### Overview

Quantity:	100 µg
Target:	CPEB1
Binding Specificity:	AA 1-486
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPEB1 antibody is un-conjugated
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 ( <a href="#">CPEB1 Products</a> )
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

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