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Datasheet for ABIN7149339 anti-CPEB1 antibody (AA 1-486) (HRP)



Overview

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

Product Details

Immunogen:	Recombinant Human Cytoplasmic polyadenylation element-binding protein 1 protein (1-486AA)
lsotype:	lgG
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

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	postsynapse sites of neurons. Binds to the cytoplasmic polyadenylation element (CPE), an
	uridine-rich sequence element (consensus sequence $5\'-UUUUUAU-3\')$ 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
Prot:	Q9BZB8

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

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

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

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