



## CPEB1 blocking peptide (CDBP5323)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the cytoplasmic polyadenylation element binding protein family. This highly conserved protein binds to a specific RNA sequence, called the cytoplasmic polyadenylation element, found in the 3' untranslated region of some mRNAs. The encoded protein functions in both the cytoplasm and the nucleus. It is involved in the regulation of mRNA translation, as well as processing of the 3' untranslated region, and may play a role in cell proliferation and tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
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<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">CPEB1 cytoplasmic polyadenylation element binding protein 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CPEB1
<b>Synonyms</b>	CPEB1; cytoplasmic polyadenylation element binding protein 1; CEBP; CPEB; CPEB-1; CPE-BP1; hCPEB-1; cytoplasmic polyadenylation element-binding protein 1; CPE-binding protein 1

<b>Entrez Gene ID</b>	<a href="#">64506</a>
<b>mRNA Refseq</b>	<a href="#">NM_001079533</a>
<b>Protein Refseq</b>	<a href="#">NP_001073001</a>
<b>UniProt ID</b>	Q9BZB8
<b>Pathway</b>	Aurora A signaling; Dorso-ventral axis formation; Oocyte meiosis; Progesterone-mediated oocyte maturation
<b>Function</b>	mRNA 3'-UTR AU-rich region binding; metal ion binding; nucleotide binding; translation repressor activity, nucleic acid binding