SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CPEB2 antibody

Catalog Number: SL14019R

FOR RESEARCH USE ONLY

[DATASHEET]

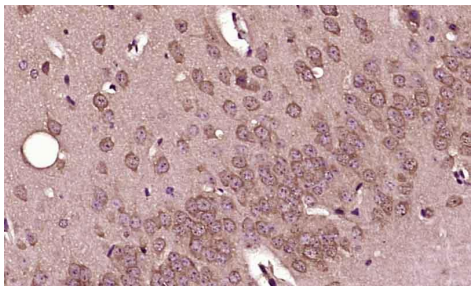
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CPEB2
Immunogen:	KLH conjugated synthetic peptide derived from human CPEB2: 481-589/589
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Pig,Cow,Horse,Sheep)
Predicted MW.:	65kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is highly similar to cytoplasmic polyadenylation element binding protein (CPEB), an mRNA-binding protein that regulates cytoplasmic polyadenylation of mRNA as a trans factor in oogenesis and spermatogenesis. Studies of the similar gene in mice suggested a possible role of this protein in transcriptionally inactive haploid spermatids. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008] **Function:** CPEB2, (Cytoplasmic polyadenylation element-binding protein 2), belongs to the RRM CPEB family and contains 2 RRM (RNA recognition motif) domains. It may bind poly(U) RNA oligomers. It may play a role in translational regulation of stored mRNAs in transcriptionally inactive haploid spermatids. There are 7 named isoforms [FASTA] produced by alternative splicing.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Subcellular Location: Cytoplasmic **Similarity:** Belongs to the RRM CPEB family. Contains 2 RRM (RNA recognition motif) domains. **Database links:** **Entrez Gene:** 132864 Human **Entrez Gene:** 231207 Mouse **Entrez Gene:** 360949 Rat Omim: 610605 Human **SwissProt:** Q7Z5Q1 Human **SwissProt:** Q812E0 Mouse **Unigene:** 656937 Human **Unigene:** 162283 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CPEB2) Polyclonal Antibody, Unconjugated (SL14019R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.