SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CPSF6 antibody

Catalog Number: SL14038R

FOR RESEARCH USE ONLY

[DATASHEET]

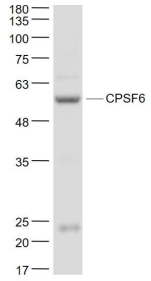
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CPSF6
Immunogen:	KLH conjugated synthetic peptide derived from human CPSF6: 121-220/551
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （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,Chicken,Dog,Cow,Sheep)
Predicted MW.:	59kDa
Subcellular Location:	The nucleus
Background:	The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. The cleavage factor complex is composed of four polypeptides. This gene encodes the 68kD subunit. It has a domain organization reminiscent of spliceosomal proteins. [provided by RefSeq, Jul 2008] **Function:** Component of the cleavage factor Im complex (CFIm) that plays a key role in pre-mRNA 3'-processing. Involved in association with NUDT21/CPSF5 in pre-MRNA 3'-end poly(A) site cleavage and poly(A) addition. CPSF6 binds to cleavage and polyadenylation RNA substrates and promotes RNA looping. **Subcellular Location:** Nucleus. In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles. **Post-translational modifications:** Phosphorylated upon DNA damage,

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	probably by ATM or ATR. **Similarity:** Belongs to the RRM CPSF6/7 family. Contains 1 RRM (RNA recognition motif) domain. **Database links:** **Entrez Gene:** 11052 Human **Entrez Gene:** 417844 Chicken **Entrez Gene:** 768231 Cow **Entrez Gene:** 432508 Mouse **Entrez Gene:** 299811 Rat **Entrez Gene:** 446580 Xenopus laevis Omim: 604979 Human **SwissProt:** Q5ZL34 Chicken **SwissProt:** Q0P5D2 Cow **SwissProt:** Q16630 Human **SwissProt:** Q6NVF9 Mouse **SwissProt:** Q6DDW4 Xenopus laevis **Unigene:** 369606 Human **Unigene:** 478881 Mouse **Unigene:** 478884 Mouse **Unigene:** 479892 Mouse **Unigene:** 7296 Xenopus laevis

[VALIDATION IMAGES]



Sample:
Cerebellum (Mouse) Lysate at 40 ug
Primary: Anti- CPSF6 (SL14038R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD
Observed band size: 59 kD

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