SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CPSF2 antibody

Catalog Number: SL14036R

FOR RESEARCH USE ONLY

[DATASHEET]

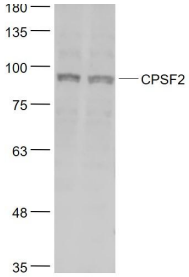
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CPSF2
Immunogen:	KLH conjugated synthetic peptide derived from human CPSF2: 101-200/782
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. 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:	Human(predicted:Mouse,Rat,Chicken,Cow,Horse,Rabbit)
Predicted MW.:	88kDa
Subcellular Location:	The nucleus
Background:	CPSF contains four subunits and localizes to the nucleoplasm where it recognizes the AAUAAA signal in pre-mRNA and interacts with other proteins to facilitate RNA cleavage and poly(A) synthesis (1,4,5). The human CPSF2 gene maps to chromosome 14q32.12 and encodes the second largest subunit of cleavage and polyadenylation specificity factor. U1 snRNP-A protein (U1A) interacts with and affects the activity of CPSF by stabilizing the interaction of CPSF with the AAUAAA-containing RNAs to increase the efficiency of polyadenylation . **Function:** CPSF2 belongs to the RNA-metabolizing metallo-beta-lactamase-like family, CPSF2/YSH1 subfamily. It is a component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3 prime-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. A poly(A) tail is added to eukaryotic mRNA precursors after tightly coupled cleavage and polyadenylation reactions at their 3-prime

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	ends. **Subcellular Location:** Nuclear. **Database links:** **Entrez Gene:** 53981 Human **Entrez Gene:** 51786 Mouse **Entrez Gene:** 299256 Rat Omim: 606028 Human **SwissProt:** Q9P2I0 Human **SwissProt:** O35218 Mouse **SwissProt:** D3Z9E6 Rat **Unigene:** 657632 Human

[VALIDATION IMAGES]



Sample:
Hela(Human) Cell Lysate at 30 ug
Siha(Human) Cell Lysate at 30 ug
Primary: Anti- CPSF2 (SL14036R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 88 kD
Observed band size: 88 kD

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