

## Product datasheet for **TA345981**

### CPSF30 (CPSF4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CPSF4 antibody: synthetic peptide directed towards the C terminal of human CPSF4. Synthetic peptide located within the following region: SLIQLTSQNSSPNQQRTPQVIGVMQSQNSSAGNRGPRPLEQVTCYKCGEK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	cleavage and polyadenylation specific factor 4
Database Link:	<a href="#">NP_001075028</a> <a href="#">Entrez Gene 10898 Human</a> <a href="#">O95639</a>



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**Background:**

Inhibition of the nuclear export of poly(A)-containing mRNAs caused by the influenza A virus NS1 protein requires its effector domain. The NS1 effector domain functionally interacts with the cellular 30 kDa subunit of cleavage and polyadenylation specific factor 4, an essential component of the 3' end processing machinery of cellular pre-mRNAs. In influenza virus-infected cells, the NS1 protein is physically associated with cleavage and polyadenylation specific factor 4, 30kD subunit. Binding of the NS1 protein to the 30 kDa protein in vitro prevents CPSF binding to the RNA substrate and inhibits 3' end cleavage and polyadenylation of host pre-mRNAs. Thus the NS1 protein selectively inhibits the nuclear export of cellular, and not viral, mRNAs.

**Synonyms:**

CPSF30; NAR; NEB-1; NEB1

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Bovine: 93%; Rabbit: 93%

**Product images:**

WB Suggested Anti-CPSF4 Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate CPSF4 is supported by BioGPS gene expression data to be expressed in Jurkat