

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.

Note that this product is shipped as lyophilized powder to China customers.

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: NP 001075028

Entrez Gene 10898 Human

O95639



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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 virusinfected 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.

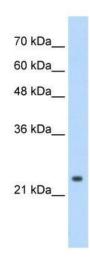
Synonyms:

CPSF30; NAR; NEB-1; NEB1

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: Note:

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 lysateCPSF4 is supported by BioGPS gene expression data to be expressed in Jurkat