

Datasheet for ABIN653570
anti-CPSF4 antibody (AA 96-123)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	CPSF4
Binding Specificity:	AA 96-123
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPSF4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CPSF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-123 amino acids from the Central region of human CPSF4.
Clone:	RB23266
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CPSF4
Alternative Name:	CPSF4 (CPSF4 Products)

Target Details

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.

Molecular Weight: 30255

Gene ID: 10898

NCBI Accession: [NP_001075028](#), [NP_006684](#)

UniProt: [O95639](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

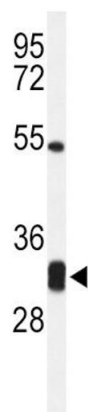
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of CPSF4 Antibody (Center) (ABIN653570 and ABIN2842946) in Jurkat cell line lysates (35 µg/lane).CPSF4 (arrow) was detected using the purified Pab.