CPSF4 Antibody

Catalog No: #36367

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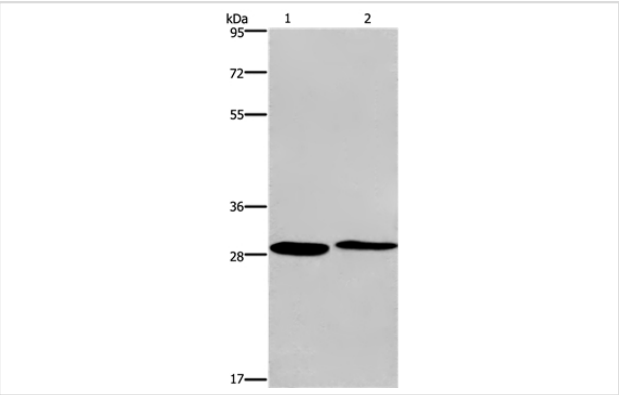
Description

Product Name	CPSF4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CPSF4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	CPSF4
Other Names	NAR; NEB1; CPSF30
Accession No.	Swiss-Prot#: O95639NCBI Gene ID: 10898Gene Accssion: BC003101
Uniprot	O95639
GeneID	10898;
SDS-PAGE MW	30kd
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE
Lysates (from left to right): Hela and 293T cell
Amount of lysate: 40ug per lane
Primary antibody: 1/400 dilution
Secondary antibody dilution: 1/8000
Exposure time: 2 minutes

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. Multiple alternatively spliced transcript variants that encode different isoforms have been described for this gene.

Note: This product is for in vitro research use only