

For Research Use Only

CPSF2 Recombinant antibody, PBS Only

Catalog Number: 86513-3-PBS



Basic Information

Catalog Number:	86513-3-PBS	GenBank Accession Number:	BC070095	Purification Method:
Concentration:	1000 µg/ml	GenID (NCBI):	53981	Protein A purification
Source:	Rabbit	UNIPROT ID:	Q9P2I0	CloneNo.:
Isotype:	IgG	Full Name:	cleavage and polyadenylation specific factor 2, 100kDa	251387H5
Immunogen Catalog Number:	AG11950	Calculated MW:	782 aa, 88 kDa	
		Observed MW:	110 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Cleavage and Polyadenylation Specificity Factor Subunit 2 (CPSF2) is a critical component of the mRNA 3' end processing machinery, playing a pivotal role in the cleavage and polyadenylation of pre-mRNA. This process is essential for the stability, nuclear export, and translation efficiency of mRNA, making CPSF2 a key player in gene expression regulation. Recent studies have highlighted the significance of CPSF2 in various diseases, particularly cancer. It's reported that in papillary thyroid carcinoma (PTC), negative expression of CPSF2 has been associated with poorer clinical outcomes, including higher rates of cervical lymph node metastasis, distant metastasis, and reduced recurrence-free survival. (PMID:26148673)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

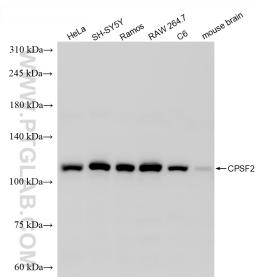
T: 4006900926

E: Proteintech-CN@ptglab.com

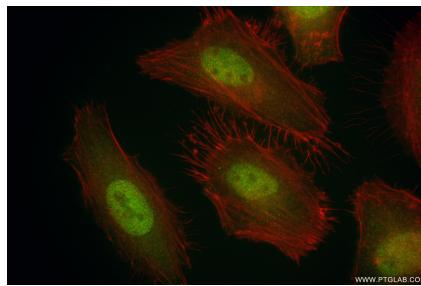
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

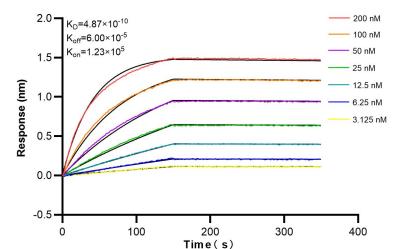
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86513-3-RR (CPSF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86513-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CPSF2 antibody (86513-3-RR, Clone: 251387H5) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86513-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86513-3-RR against Human CPSF2 were performed. The affinity constant is 0.487 nM.