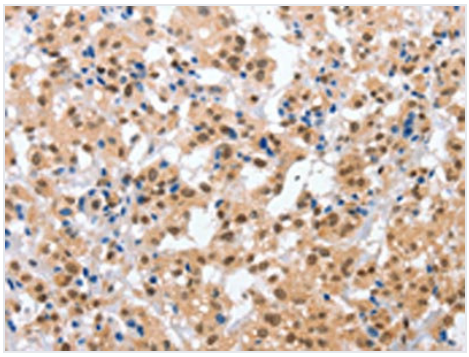
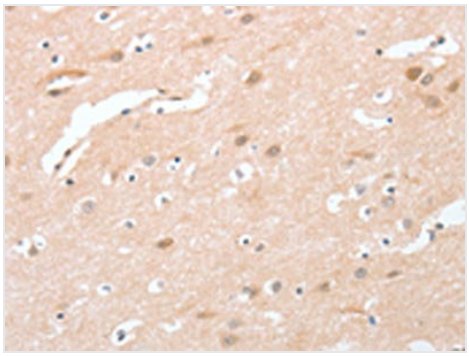
CPSF4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CPSF4, Polyclonal Antibody
Full Product Name	CPSF4 Antibody
Product Gene Name	anti-CPSF4 antibody
Product Synonym Names	cleavage and polyadenylation specific factor 4; 30kDa
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	27,419 Da
OMIM	603052
3D Structure	ModBase 3D Structure for O95639
Immunogen	Fusion protein of human CPSF4
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CPSF4 antibody	Microbiology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CPSF4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CPSF4 antibody	ELISA: 1:1000-1:2000 IHC: 1:25-1:100
Related Product Information for anti-CPSF4 antibody	MBS7125341 is an antibody targeting CPSF4. Also known as CPSF4 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CPSF4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-CPSF4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7125341(CPSF4 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-CPSF4 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7125341(CPSF4 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPSF4. It may not necessarily be applicable to this product.

NCBI GI #	125987603
NCBI GeneID	10898
NCBI Accession #	NP_001075028.1
UniProt Primary Accession #	O95639
UniProt Secondary Accession #	Q6FGE6; Q86TF8; Q9BTW6; D6W5S8
UniProt Related Accession #	O95639
GenBank Nucleotide #	NM_001081559.1
NCBI Official Full Name	cleavage and polyadenylation specificity factor subunit 4 isoform 2
NCBI Official Synonym Full Names	cleavage and polyadenylation specific factor 4, 30kDa
NCBI Official Symbol	CPSF4
NCBI Official Synonym Symbols	NAR; NEB1; CPSF30
UniProt Protein Name	Cleavage and polyadenylation specificity factor subunit 4
UniProt Synonym Protein Names	Cleavage and polyadenylation specificity factor 30 kDa subunit; CPSF 30 kDa subunit; NS1 effector domain-binding protein 1; Neb-1; No arches homolog
Protein Family	Cleavage and polyadenylation specificity factor
UniProt Gene Name	CPSF4
UniProt Synonym Gene Names	CPSF30; NAR; NEB1; CPSF 30 kDa subunit; Neb-1
UniProt Entry Name	CPSF4_HUMAN
NCBI Protein Information	cleavage and polyadenylation specificity factor subunit 4; CPSF 30 kDa subunit; NS1 effector domain-binding protein 1; cleavage and polyadenylation specificity factor 30 kDa subunit; cleavage-polyadenylation specificity factor, 30kD; neb-1; no arches homo
NCBI Summary for CPSF4	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. [provided by RefSeq, Jul 2008]

UniProt Comments for CPSF4	CPSF4: Component of the cleavage and polyadenylation specificity factor (CPSF) complex that play a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. CPSF4 binds RNA polymers with a preference for poly(U). Belongs to the CPSF4/YTH1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA processing; Mitochondrial Chromosomal Location of Human Ortholog: 7q22.1 Cellular Component: nucleoplasm; mRNA cleavage and polyadenylation specificity factor complex Molecular Function: zinc ion binding Biological Process: modification by virus of host cellular process; virus-host interaction; modification by virus of host mRNA processing; viral infectious cycle; mRNA processing
Research Articles on CPSF4	**1.** unexpectedly found that CPSF subunits CPSF30 and Wdr33 directly contact AAUAAA
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/cpsf4/7125341