

CPSF6 Rabbit mAb
Catalog # AP75287**Specification**

CPSF6 Rabbit mAb - Product Information

Application	WB
Primary Accession	Q16630
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	59210

CPSF6 Rabbit mAb - Additional Information**Gene ID** 11052**Other Names**
CPSF6**Dilution**
WB~~1/500-1/1000**Format**
Liquid**CPSF6 Rabbit mAb - Protein Information****Name** CPSF6 ([HGNC:13871](#))**Function**

Component of the cleavage factor Im (CFIm) complex that functions as an activator of the pre-mRNA 3'-end cleavage and polyadenylation processing required for the maturation of pre-mRNA into functional mRNAs (PubMed: [14690600](http://www.uniprot.org/citations/14690600) target="_blank">14690600, PubMed: [29276085](http://www.uniprot.org/citations/29276085) target="_blank">29276085, PubMed: [8626397](http://www.uniprot.org/citations/8626397) target="_blank">8626397, PubMed: [9659921](http://www.uniprot.org/citations/9659921) target="_blank">9659921). CFIm contributes to the recruitment of multiprotein complexes on specific sequences on the pre-mRNA 3'-end, so called cleavage and polyadenylation signals (pA signals) (PubMed: [14690600](http://www.uniprot.org/citations/14690600) target="_blank">14690600, PubMed: [8626397](http://www.uniprot.org/citations/8626397) target="_blank">8626397, PubMed: [9659921](http://www.uniprot.org/citations/9659921) target="_blank">9659921). Most pre-mRNAs contain multiple pA signals, resulting in alternative cleavage and polyadenylation (APA) producing mRNAs with variable 3'-end formation (PubMed: [23187700](http://www.uniprot.org/citations/23187700) target="_blank">23187700, PubMed: [29276085](http://www.uniprot.org/citations/29276085) target="_blank">29276085). The CFIm complex acts as a key regulator of cleavage and polyadenylation site choice during APA through its binding to 5'-UGUA-3' elements localized in the 3'-untranslated region (UTR) for a huge number of pre-mRNAs (PubMed: [20695905](http://www.uniprot.org/citations/20695905) target="_blank">20695905).

target="_blank">20695905, PubMed:29276085). CPSF6 enhances NUDT21/CPSF5 binding to 5'-UGUA-3' elements localized upstream of pA signals and promotes RNA looping, and hence activates directly the mRNA 3'-processing machinery (PubMed:15169763, PubMed:21295486, PubMed:29276085). Plays a role in mRNA export (PubMed:19864460).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Nucleus speckle. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm in a transcription- and XPO1/CRM1-independent manner, most probably in complex with the cleavage factor Im complex (CFIm) (PubMed:19864460). Colocalizes with PSPC1 in punctate subnuclear structures often located adjacent to nuclear speckles, called paraspeckles, and corresponding to interchromatin granules-associated zones (IGAZs) (PubMed:17267687). Distribution in speckles and paraspeckles varies during the cell cycle (PubMed:17267687). Associates at sites of active transcription on nascent perichromatin fibrils (PFs) and perichromatin granules (PubMed:17267687). Nuclear import is mediated via interaction with TNPO3 independently of CPSF6 phosphorylation status (PubMed:30916345).

CPSF6 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CPSF6 Rabbit mAb - Images

