

**CPSF6 Rabbit mAb**  
Catalog # AP75287**Specification**

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**CPSF6 Rabbit mAb - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q16630</a> |
| 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), PubMed: [29276085](http://www.uniprot.org/citations/29276085), PubMed: [8626397](http://www.uniprot.org/citations/8626397), PubMed: [9659921](http://www.uniprot.org/citations/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), PubMed: [8626397](http://www.uniprot.org/citations/8626397), PubMed: [9659921](http://www.uniprot.org/citations/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), PubMed: [29276085](http://www.uniprot.org/citations/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</a>, PubMed:<a href="http://www.uniprot.org/citations/29276085" target="\_blank">29276085</a>). 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:<a href="http://www.uniprot.org/citations/15169763" target="\_blank">15169763</a>, PubMed:<a href="http://www.uniprot.org/citations/21295486" target="\_blank">21295486</a>, PubMed:<a href="http://www.uniprot.org/citations/29276085" target="\_blank">29276085</a>). Plays a role in mRNA export (PubMed:<a href="http://www.uniprot.org/citations/19864460" target="\_blank">19864460</a>).

### 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

