

## CPSF6 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant CPSF6.

Catalog # AT1612a

### Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">Q16630</a>
<b>Other Accession</b>	<a href="#">NM_007007</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Kappa
<b>Clone Names</b>	1C5
<b>Calculated MW</b>	59210

### Additional Information

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<b>Gene ID</b>	11052
<b>Other Names</b>	Cleavage and polyadenylation specificity factor subunit 6, Cleavage and polyadenylation specificity factor 68 kDa subunit, CFIm68, CPSF 68 kDa subunit, Pre-mRNA cleavage factor Im 68 kDa subunit, Protein HPBRII-4/7, CPSF6, CFIM68
<b>Target/Specificity</b>	CPSF6 (NP_008938, 37 a.a. ~ 136 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	CPSF6 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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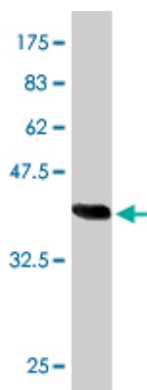
The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. The cleavage factor complex is composed of four polypeptides. This gene encodes the 68kD subunit. It has a domain organization reminiscent of spliceosomal proteins.

### References

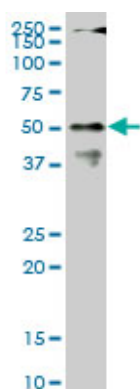
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Flexible use of nuclear import pathways by HIV-1. Lee K, et al. Cell Host Microbe, 2010 Mar 18. PMID 20227665. Mammalian pre-mRNA 3' end processing factor CF I m 68 functions in mRNA export. Ruepp MD, et al. Mol Biol Cell, 2009 Dec. PMID 19864460. Shifted Transversal Design smart-pooling for high coverage interactome mapping. Xin X, et al. Genome Res, 2009 Jul. PMID 19447967. Nucleophosmin serves as a rate-limiting nuclear export chaperone for the Mammalian ribosome. Maggi LB Jr, et al. Mol Cell Biol, 2008 Dec. PMID 18809582. Many sequence variants affecting diversity of adult human height. Gudbjartsson DF, et al. Nat Genet, 2008 May. PMID 18391951.

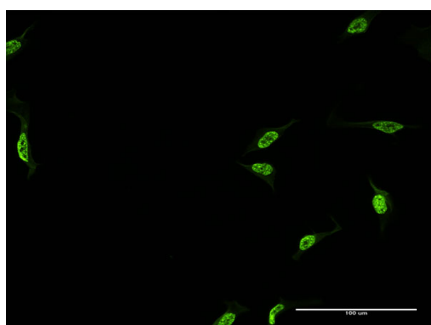
## Images



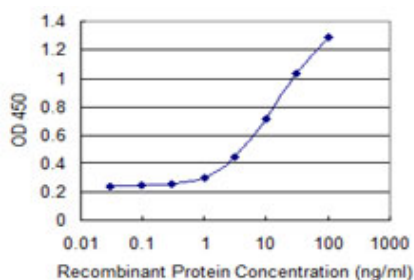
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



CPSF6 monoclonal antibody (M07), clone 1C5. Western Blot analysis of CPSF6 expression in NIH/3T3 (Cat # AT1612a )



Immunofluorescence of monoclonal antibody to CPSF6 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged CPSF6 is 0.3 ng/ml as a capture antibody.