

Mouse CPSF3 Monoclonal Antibody | anti-CPSF3 antibody

CPSF3 (Cleavage and Polyadenylation Specificity Factor Subunit 3, Cleavage and Polyadenylation Specificity Factor 73 kDa Subunit, CPSF 73 kDa Subunit, mRNA 3'-end-processing Endonuclease CPSF-73, CPSF73)

CATALOG # AAA14795	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot, Immunofluorescence
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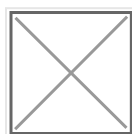
PRODUCT SYNONYMS

CPSF3; Monoclonal Antibody; CPSF3 (Cleavage and Polyadenylation Specificity Factor Subunit 3; Cleavage and Polyadenylation Specificity Factor 73 kDa Subunit; CPSF 73 kDa Subunit; mRNA 3'-end-processing Endonuclease CPSF-73; CPSF73); Anti -CPSF3 (Cleavage and Polyadenylation Specificity Factor Subunit 3; anti-CPSF3 antibody

PRODUCT SPECIFICATIONS

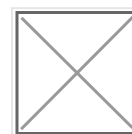
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6E6
Specificity	Recognizes human CPSF3. Species Crossreactivity: mouse and rat.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	LEVQSNPKIR KGAVQKVSKK LEMHVYSKRL EIMLQDIFGE DCVSVKDDSI LSVTVDGKTA NLNLETRTVE CEESEDDDES LREMVELAAQ RLYEALTPVH
Applicable Applications for anti-CPSF3 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA and Western Blot. Dilution: Immunofluorescence: 10ug/ml
Immunogen	Partial recombinant corresponding to aa585-685, from human CPSF3 (NP_057291) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

CPSF3 monoclonal antibody. Western Blot analysis of CPSF3 expression in NIH/3T3.



WB (Western Blot)

Western Blot analysis of CPSF3 expression in transfected 293T cell line by CPSF3 monoclonal antibody. Lane 1: CPSF3 transfected lysate (77.5kD). Lane 2: Non-transfected lysate.



Application Data

Detection limit for recombinant GST tagged CPSF3 is ~0.1ng/ml as a capture antibody.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to CPSF3 on HeLa cell. [antibody concentration 10ug/ml].



WB (Western Blot)

CPSF3 monoclonal antibody, Western Blot analysis of CPSF3 expression in Hela NE.



WB (Western Blot)

CPSF3 monoclonal antibody. Western Blot analysis of CPSF3 expression in PC-12.

ADDITIONAL INFORMATION

Related Product Information for anti-CPSF3 antibody

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. Has endonuclease activity, and functions as mRNA 3'-end-processing endonuclease. Also involved in the histone 3'-end pre-mRNA processing. U7 snRNP-dependent protein that induces both the 3'-endoribonucleolytic cleavage of histone pre-mRNAs and acts as a 5' to 3' exonuclease for degrading the subsequent downstream cleavage product (DCP) of mature histone mRNAs. Cleavage occurs after the 5'-ACCCA-3' sequence in the histone pre-mRNA leaving a 3'hydroxyl group on the upstream fragment containing the stem loop (SL) and 5' phosphate on the downstream cleavage product (DCP) starting with CU nucleotides. The U7-dependent 5' to 3' exonuclease activity is processive and degrades the DCP RNA substrate even after complete removal of the U7-binding site. Binds to the downstream cleavage product (DCP) of histone pre-mRNAs and the cleaved DCP RNA substrate in a U7 snRNP dependent manner.

Product Categories/Family for anti-CPSF3 antibody

[Antibodies](#); [Abs to Proteins](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706427
NCBI GeneID	51692
NCBI Accession #	NP_057291.1
NCBI GenBank Nucleotide #	NM_016207.3
UniProt Accession #	Q9UKF6 ; O14769 ; Q53RS2 ; Q96F36
Molecular Weight	77,486 Da
NCBI Official Full Name	cleavage and polyadenylation specificity factor subunit 3
NCBI Official Synonym Full Names	cleavage and polyadenylation specific factor 3, 73kDa
NCBI Official Symbol	CPSF3
NCBI Official Synonym Symbols	CPSF73; CPSF-73
NCBI Protein Information	cleavage and polyadenylation specificity factor subunit 3; mRNA 3'-end-processing endonuclease CPSF-73
UniProt Protein Name	Cleavage and polyadenylation specificity factor subunit 3
UniProt Gene Name	CPSF3
UniProt Synonym Gene Names	CPSF73; CPSF 73 kDa subunit
UniProt Entry Name	CPSF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cpsf3-antibody-clone-6e6-western-blot-immunofluorescence-elisa/14795>