



CPSF6 Polyclonal Antibody

Catalog No	BYab-21698
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CPSF6 CFIM68
Protein Name	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) (
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CPSF6 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	60kD
Cell Pathway	Nucleus . Nucleus, nucleoplasm . Nucleus speckle . Cytoplasm . 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).
Tissue Specificity	Heart,Kidney,Leukemia,
Function	function:Component of the cleavage factor Im complex (CFIm) that plays a key

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role in pre-mRNA 3'-processing. Involved in association with NUDT21/CPSF5 in pre-mRNA 3'-end poly(A) site cleavage and poly(A) addition. CPSF6 binds to cleavage and polyadenylation RNA substrates.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the RRM CPSF6/7 family.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subcellular location:In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles.,subunit:Component of the cleavage factor Im (CFIm) complex, composed at least of NUDT21/CPSF5 and CPSF6 or CPSF7. Interacts with NUDT21/CPSF5, SFRS3, SFRS7, SNRNP70 and TRA2B/SFRS10.,

Background

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images