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FLJ12529 / CPSF7 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16358

Specification

FLJ12529 / CPSF7 Antibody (C-Terminus) - Product Information

Application	**IHC, WB**
Primary Accession	Q8N684
Reactivity	**Human, Mouse, Rat, Rabbit, Monkey, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52kDa KDa**

FLJ12529 / CPSF7 Antibody (C-Terminus) - Additional Information

Gene ID 79869

Other Names
Cleavage and polyadenylation specificity factor subunit 7, Cleavage and polyadenylation specificity factor 59 kDa subunit, CFIm59, CPSF 59 kDa subunit, Pre-mRNA cleavage factor Im 59 kDa subunit, CPSF7

Target/Specificity
Human CPSF7 / FLJ12529

Reconstitution & Storage
Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year); Short term (less than one week): +4°C. Avoid repeat freeze-thaw cycles.

Precautions
FLJ12529 / CPSF7 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

FLJ12529 / CPSF7 Antibody (C-Terminus) - Protein Information

Name CPSF7 (HGNC:30098)

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:8626397, PubMed:17024186, PubMed:29276085). 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:8626397, PubMed:<a href="http://www.uniprot.org/citations/17024186"

target="_blank">17024186). Most pre-mRNAs contain multiple pA signals, resulting in alternative cleavage and polyadenylation (APA) producing mRNAs with variable 3'-end formation (PubMed:23187700, PubMed: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, PubMed:29276085). CPSF7 activates directly the mRNA 3'-processing machinery (PubMed:29276085). Binds to pA signals in RNA substrates (PubMed:8626397, PubMed:17024186).

Cellular Location
Nucleus. 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)

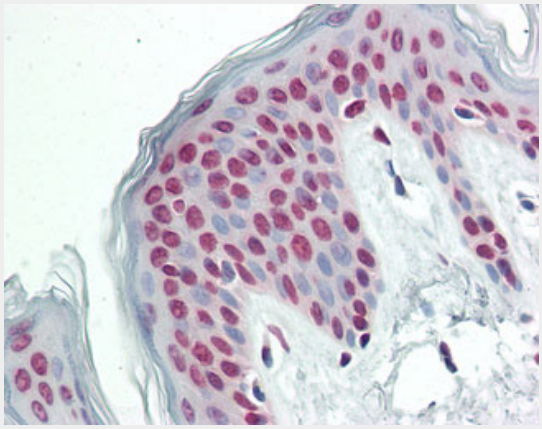
Volume
50 µl

FLJ12529 / CPSF7 Antibody (C-Terminus) - Protocols

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

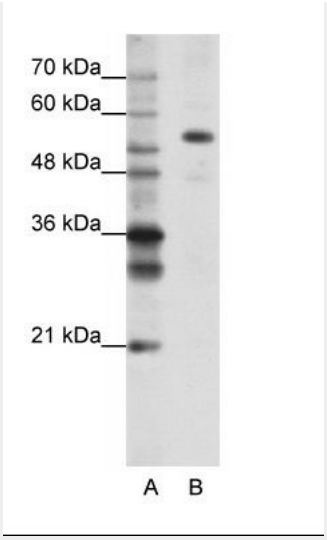
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FLJ12529 / CPSF7 Antibody (C-Terminus) - Images



Anti-FLJ12529 / CPSF7 antibody IHC staining of human skin.

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A: Marker, B: HepG2 Cell Lysate, Conc: 1.25ug/ml

FLJ12529 / CPSF7 Antibody (C-Terminus) - Background

Component of the cleavage factor Im complex (CFIm) that plays a key role in pre-mRNA 3'-processing. Binds to cleavage and polyadenylation RNA substrates.

FLJ12529 / CPSF7 Antibody (C-Terminus) - References

Rueegsegger U.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Taylor T.D.,et al.Nature 440:497-500(2006).
Rueegsegger U.,et al.J. Biol. Chem. 271:6107-6113(1996).