


Anti-CPSF73 antibody ab72295

★★★★★ [8 Abreviews](#) [4 References](#) [3 图像](#)

概述

产品名称	Anti-CPSF73抗体
描述	兔多克隆抗体to CPSF73
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rabbit, Horse, Cow, Dog, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
免疫原	Synthetic peptide corresponding to Human CPSF73. Database link: Q9UKF6
阳性对照	WB: HeLa, HEK293T, NIH 3T3. IHC-P: human breast carcinoma, mouse teratoma tissues. IP: HeLa cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab72295 was affinity purified using an epitope specific to CPSF73 immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab72295于以下的经测试应用

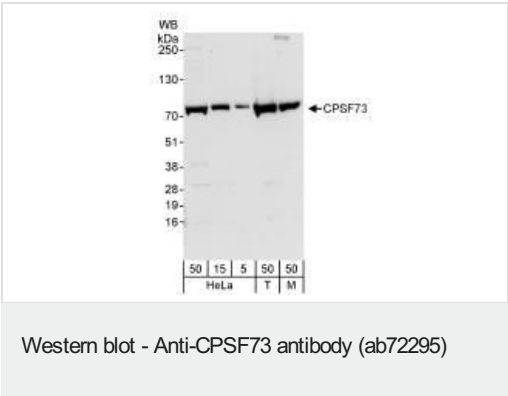
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (5)	1/2000 - 1/10000. Detects a band of approximately 77 kDa (predicted molecular weight: 77 kDa).
IP	★★★★★ (2)	Use at 2-5 µg/mg of lysate.
IHC-P		1/200.

靶标

功能	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.
序列相似性	Belongs to the metallo-beta-lactamase superfamily. RNA-metabolizing metallo-beta-lactamase-like family. CPSF3 subfamily.
翻译后修饰	Sumoylated on Lys-462, Lys-465 and Lys-545, preferentially by SUMO3.
细胞定位	Nucleus.

图片



All lanes : Anti-CPSF73 antibody (ab72295) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell

lysate at 50 µg

Lane 5 : Mouse NIH3T3 whole cell

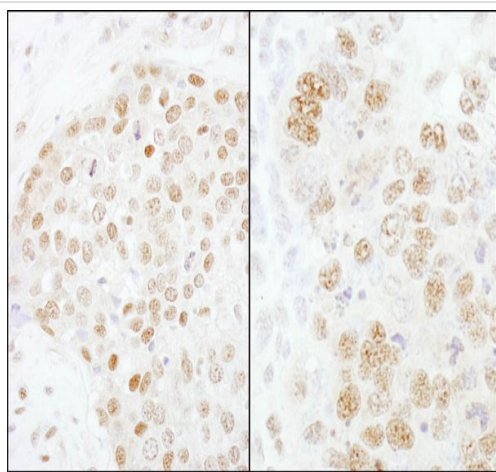
lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 77 kDa

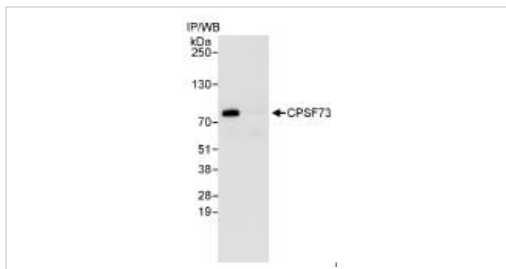
Observed band size: 77 kDa

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CPSF73 antibody (ab72295)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma (left) and mouse teratoma (right) tissues labelling CPSF73 with ab72295 at 1/200 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-CPSF73 antibody (ab72295)

Detection of CPSF73 by Western Blot of Immunoprecipitate. Lane 1: ab72295, at 0.1µg/ml, staining CPSF73 in HeLa whole cell lysate immunoprecipitated using **ab72225** at 3µg/mg lysate (1 mg/IP; 20% of IP loaded).

Detection: Chemiluminescence with an exposure time of 30 seconds.

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