


Product datasheet

Anti-CPSF73 antibody ab72294

2 图像

概述

产品名称	Anti-CPSF73抗体
描述	兔多克隆抗体to CPSF73
经测试应用	适用于: IHC-P, WB 不适用于: IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	A region between residue 1 and 50 of human CPSF73 (NP_057291.1)
阳性对照	Whole cell lysates from HeLa, 293T and mouse NIH3T3 cells.

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	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7-8
纯度	Immunogen affinity purified
纯化说明	ab72294 was affinity purified using an epitope specific to CPSF73 immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab72294** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Detects a band of approximately 77 kDa (predicted molecular weight: 77 kDa).

**应用说明** Is unsuitable for IP.

## 靶标

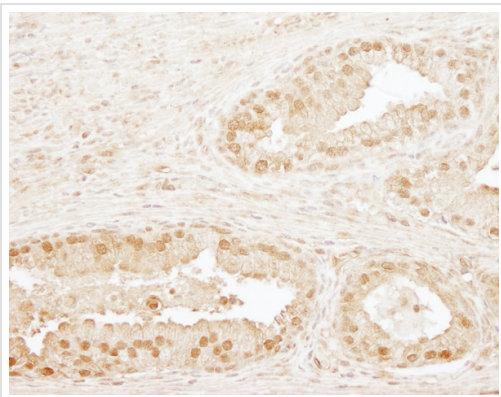
**功能** Component of the cleavage and polyadenylation specificity factor (CPSF) complex that play a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. Has endonuclease activity, 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.

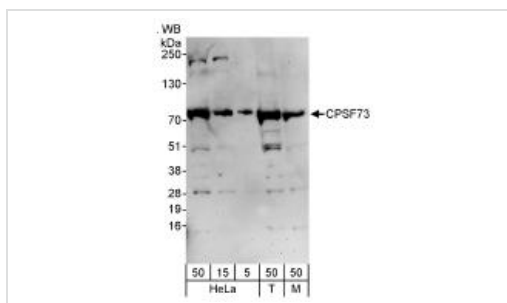
**细胞定位** Nucleus.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CPSF73 antibody (ab72294)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling CPSF73 with ab72294 at 1/1000 (1µg/ml).  
Detection: DAB.



Western blot - CPSF73 antibody (ab72294)

**All lanes** : Anti-CPSF73 antibody (ab72294) at 0.1 µg/ml

**Lane 1** : HeLa whole cell lysate at 5 µg

**Lane 2** : HeLa whole cell lysate at 15 µg

**Lane 3** : HeLa whole cell lysate at 50 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** : 3 minutes

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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