

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
宿主	Rabbit
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: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
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

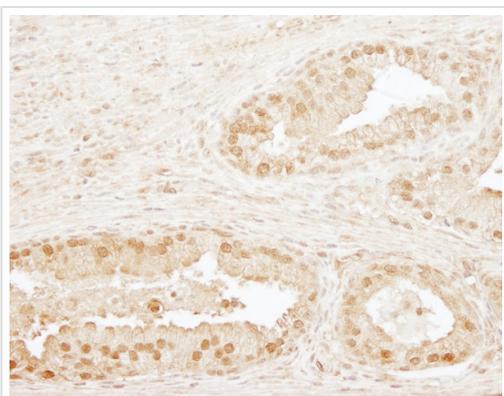
功能 Component of the cleavage and polyadenylation specificity factor (CPSF) complex that play a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. Has endonuclease activity,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

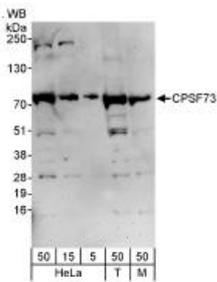
细胞定位 Nucleus.

图片



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

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



Western blot - Anti-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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