


# Anti-hSSB1 antibody ab85752

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### 概述

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产品名称	Anti-hSSB1抗体
描述	兔多克隆抗体to hSSB1
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: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant 
免疫原	Synthetic peptide corresponding to Human hSSB1 aa 161-211. Database link: <a href="#">NP_076973.1</a>
阳性对照	HeLa and 293T whole cell lysates.
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&amp;As</p>

### 性能

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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: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab85752 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。

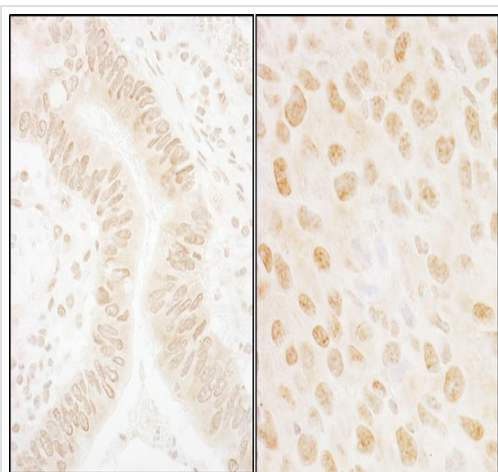
应用	Ab评论	说明
WB		1/2000 - 1/10000. Detects a band of approximately 33 kDa (predicted molecular weight: 23 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Antigen retrieval with Tris-EDTA pH9.0 is recommended for human tissues. Antigen retrieval with citrate buffer pH6.0 is recommended for mouse tissues.

## 靶标

**相关性** Single-stranded DNA (ssDNA)-binding proteins, such as hSSB1, are ubiquitous and essential for a variety of DNA metabolic processes, including replication, recombination, and detection and repair of damage. hSSB1 plays an important role in DNA damage response. It influences diverse endpoints in the cellular DNA damage response, including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. It associates with DNA lesions, and enables the efficient activation of ATM and consequent phosphorylation of downstream proteins.

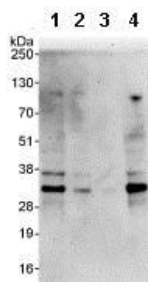
**细胞定位** Nuclear. Localizes to nuclear foci following DNA damage.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon carcinoma (left) and mouse squamous cell carcinoma (right) tissues labelling hSSB1 with ab85752 at 1/1000 (1 µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hSSB1 antibody (ab85752)



Western blot - Anti-hSSB1 antibody (ab85752)

**All lanes :** Anti-hSSB1 antibody (ab85752) at 0.4 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

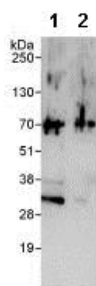
**Lane 4 :** 293T whole cell lysate at 50 µg

**Predicted band size:** 23 kDa

**Observed band size:** 33 kDa

**Additional bands at:** 38 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes



Immunoprecipitation - Anti-hSSB1 antibody (ab85752)

Detection of Human hSSB1 by Western Blot of Immunoprecipitate.

All lanes: ab85752 at 1µg/ml detecting by WB hSSB1 in HeLa whole cell lysates, that were immunoprecipitated with ab85752 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane). Lane 1: ab85752  
Lane 2: Control IgG

Detection: Chemiluminescence with exposure time of 5 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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