

Anti-SSRP1 antibody [10D7] ab26212

★★★★★ [6 Abreviews](#) [9 References](#) [3 图像](#)

概述

产品名称	Anti-SSRP1抗体[10D7]
描述	小鼠单克隆抗体[10D7] to SSRP1
宿主	Mouse
特异性	ab26212 recognises Structure specific recognition protein 1 (SSRP1).
经测试应用	适用于: ICC/IF, WB, Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human SSRP1.
阳性对照	HeLa cell lysate
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: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Affinity purified
克隆	单克隆
克隆编号	10D7
同种型	IgG2b
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab26212于以下的经测试应用

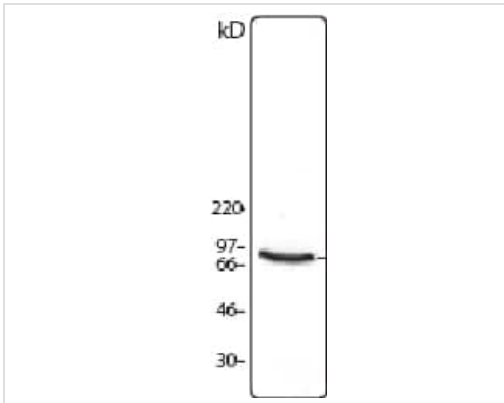
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Predicted molecular weight: 81 kDa.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

靶标

功能	Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II. The FACT complex is probably also involved in phosphorylation of 'Ser-392' of p53/TP53 via its association with CK2 (casein kinase II). Binds specifically to double-stranded DNA and at low levels to DNA modified by the antitumor agent cisplatin. May potentiate cisplatin-induced cell death by blocking replication and repair of modified DNA. Also acts as a transcriptional coactivator for p63/TP63.
序列相似性	Belongs to the SSRP1 family. Contains 1 HMG box DNA-binding domain.
结构域	The HMG box DNA-binding domain mediates DNA-binding. It has both affinity and specificity for DNA damaged globally with cisplatin.
翻译后修饰	Phosphorylated by CK2 following UV but not gamma irradiation. Phosphorylation inhibits its DNA-binding activity. Ubiquitinated. Polyubiquitinated following caspase cleavage resulting in degradation of the N-terminal ubiquitinated part of the cleaved protein. Sumoylated.
细胞定位	Nucleus. Chromosome. Colocalizes with RNA polymerase II on chromatin. Recruited to actively transcribed loci.

图片



Western blot - Anti-SSRP1 antibody [10D7] (ab26212)

Anti-SSRP1 antibody [10D7] (ab26212) at 1 µg/ml + HeLa cell lysate

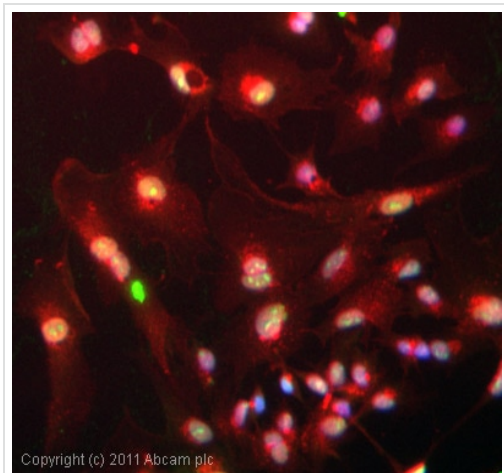
Secondary

Goat anti-mouse Ig conjugated to HRP.

Developed using the ECL technique.

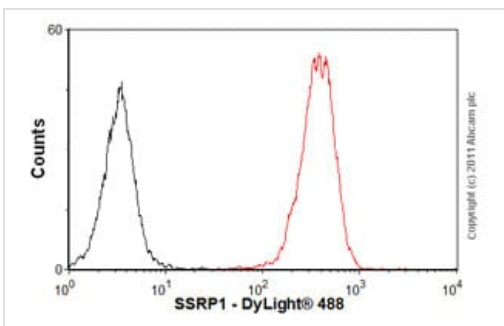
Predicted band size: 81 kDa

Observed band size: 81 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SSRP1 antibody [10D7] (ab26212)

ICC/IF image of ab26212 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab26212, 10µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96879**, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Flow Cytometry - Anti-SSRP1 antibody [10D7] (ab26212)

Overlay histogram showing HeLa cells stained with ab26212 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab26212, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween

used under the same conditions.

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