


Anti-SA2 antibody [EPR10994(B)] ab155081

敲除验证
重组
RabMAb

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概述

产品名称	Anti-SA2抗体[EPR10994(B)]
描述	兔单克隆抗体[EPR10994(B)] to SA2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide within Human SA2 aa 1200 to the C-terminus. The exact sequence is proprietary. Database link: Q8N3U4
阳性对照	WB: HCT116, HeLa, K562, MCF7 and Jurkat whole cell lysate (ab7899). IHC-P: Human colon tissue and gastric adenocarcinoma tissue.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR10994(B)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab155081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。

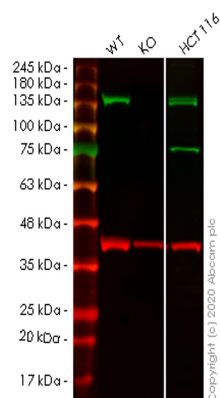
应用	Ab评论	说明
WB		1/10000 - 1/50000. Predicted molecular weight: 141 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt,ICC/IF or IP.

靶标

功能	Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis.
序列相似性	Belongs to the SCC3 family. Contains 1 SCD (stromalin conservative) domain.
翻译后修饰	Phosphorylated by PLK. The large dissociation of cohesin from chromosome arms during prophase is partly due to its phosphorylation.
细胞定位	Nucleus. Chromosome. Chromosome > centromere. Associates with chromatin. Before prophase it is scattered along chromosome arms. During prophase, most of cohesin complexes dissociate from chromatin probably because of phosphorylation by PLK, except at centromeres, where cohesin complexes remain. At anaphase, the RAD21 subunit of cohesin is cleaved, leading to the dissociation of the complex from chromosomes, allowing chromosome separation. In germ cells, cohesin complex dissociates from chromatin at prophase I, and may be replaced by a meiosis-specific cohesin complex.

图片



Western blot - Anti-SA2 antibody [EPR10994(B)]
(ab155081)

All lanes : Anti-SA2 antibody [EPR10994(B)] (ab155081) at 1/500 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : STAG2 knockout HeLa cell lysate

Lane 3 : HCT116 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

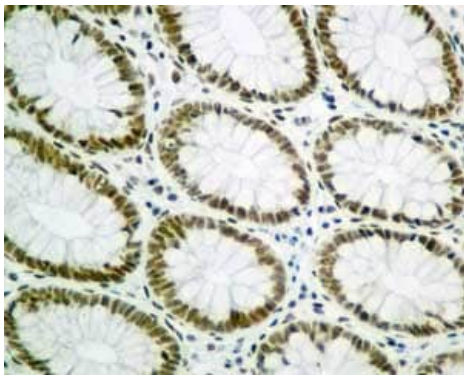
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 141 kDa

Observed band size: 141 kDa

Lanes 1-3: Merged signal (red and green). Green - ab155081 observed at 141 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

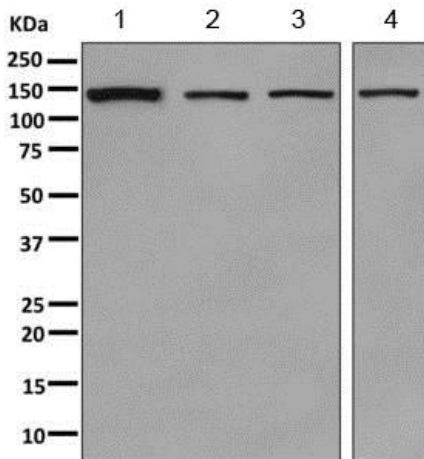
ab155081 Anti-SA2 antibody [EPR10994(B)] was shown to specifically react with SA2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265461](#) (knockout cell lysate [ab257707](#)) was used. Wild-type and SA2 knockout samples were subjected to SDS-PAGE. ab155081 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody [EPR10994(B)] (ab155081)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling SA2 with ab155081 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-SA2 antibody [EPR10994(B)] (ab155081)

All lanes : Anti-SA2 antibody [EPR10994(B)] (ab155081) at 1/10000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : K562 cell lysate

Lane 3 : MCF7 cell lysate

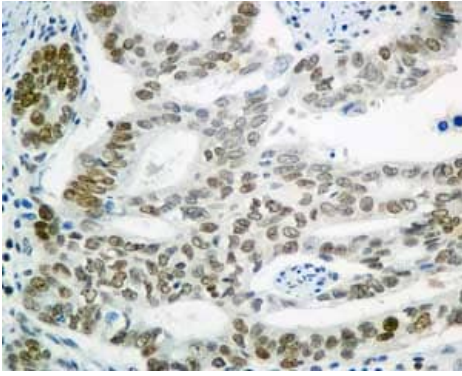
Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

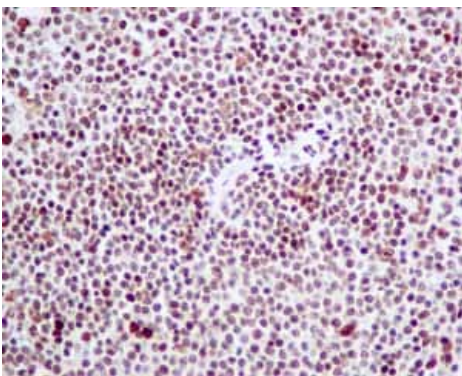
Predicted band size: 141 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody
[EPR10994(B)] (ab155081)

Immunohistochemical analysis of paraffin-embedded Human gastric adenocarcinoma tissue labeling SA2 with ab155081 at 1/50 dilution.

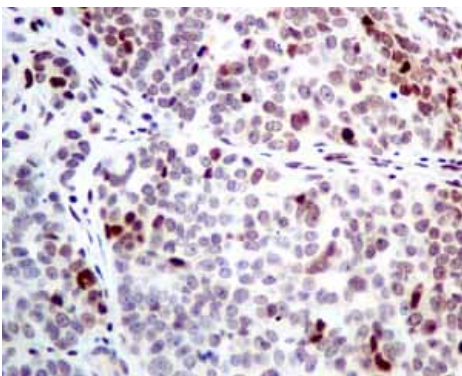
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody
[EPR10994(B)] (ab155081)

Immunohistochemical analysis of paraffin embedded Human normal spleen tissue using ab155081 showing +ve staining.

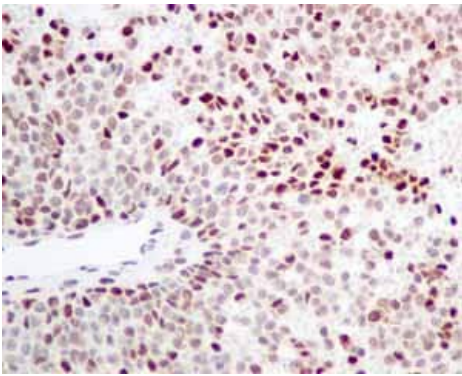
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody
[EPR10994(B)] (ab155081)

Immunohistochemical analysis of paraffin embedded Human ovarian carcinoma tissue using ab155081 showing +ve staining.

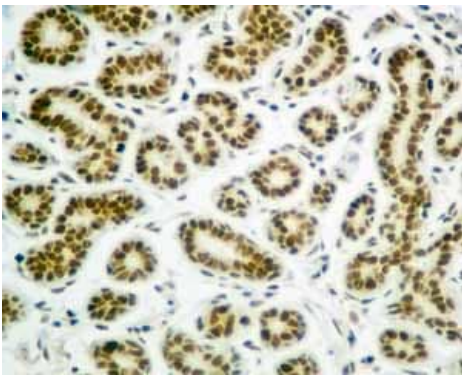
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin embedded Human melanoma tissue using ab155081 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody
[EPR10994(B)] (ab155081)



Immunohistochemical analysis of paraffin embedded Human normal breast tissue using ab155081 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SA2 antibody
[EPR10994(B)] (ab155081)

Why choose a recombinant antibody?



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Anti-SA2 antibody [EPR10994(B)] (ab155081)

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