

Anti-S100P antibody [EPR6142] ab124743

敲除验证
重组
RabMAb

[3 References](#)
[13 图像](#)

概述

产品名称	Anti-S100P抗体[EPR6142]
描述	兔单克隆抗体[EPR6142] to S100P
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human S100P aa 1-100. The exact sequence is proprietary.
阳性对照	BxPC3 cell lysate; Human pancreatic adenocarcinoma, placenta and spleen tissues. WB: HeLa cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6142

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab124743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
Flow Cyt (Intra)		Use a concentration of 1 µg/ml.
WB		1/1000. Detects a band of approximately 10 kDa (predicted molecular weight: 10 kDa).
IHC-P		1/150 - 1/300. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
ICC/IF		1/150.

靶标

组织特异性

Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias.

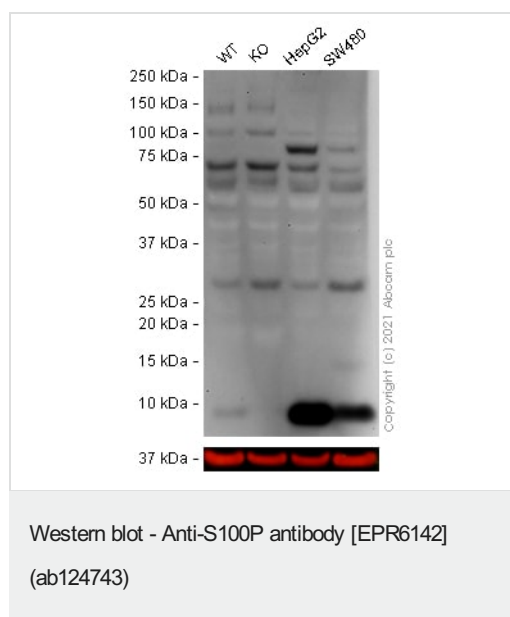
序列相似性

Belongs to the S-100 family.
Contains 2 EF-hand domains.

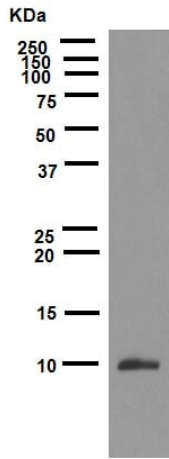
细胞定位

Nucleus. Cytoplasm. Colocalizes with S100PBP in the nucleus.

图片



ab124743 was shown to react with S100P in wild-type HeLa cells in western blot. Loss of signal was observed when S100P knockout sample was used. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with ab124743 overnight at 4 °C at a 1 in 1000 dilution. Blots were incubated with HRP conjugated Goat anti-Rabbit (H+L) secondary antibody at 1/5000 for 1 hour at room temperature before development with Optiblot ECL reagent ([ab133456](#)) and imaging.



Western blot - Anti-S100P antibody [EPR6142] (ab124743)

Anti-S100P antibody [EPR6142] (ab124743) at 1/1000 dilution (purified) + BxPC-3 cell lysate at 10 μ g

Secondary

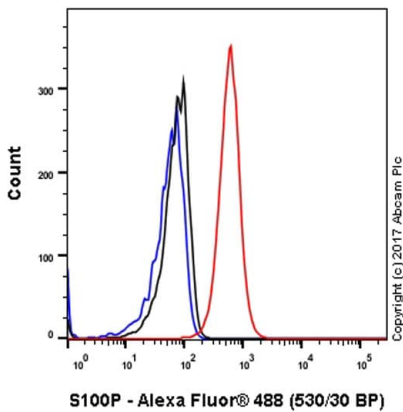
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 10 kDa

Observed band size: 10 kDa

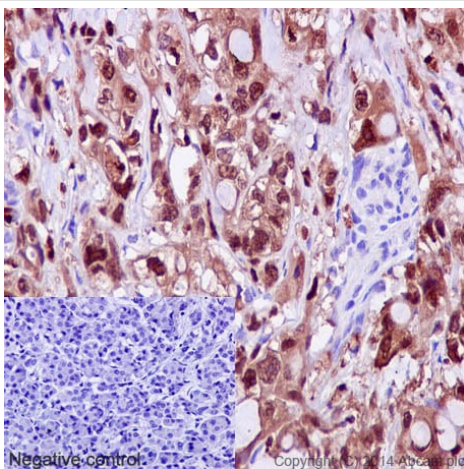
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



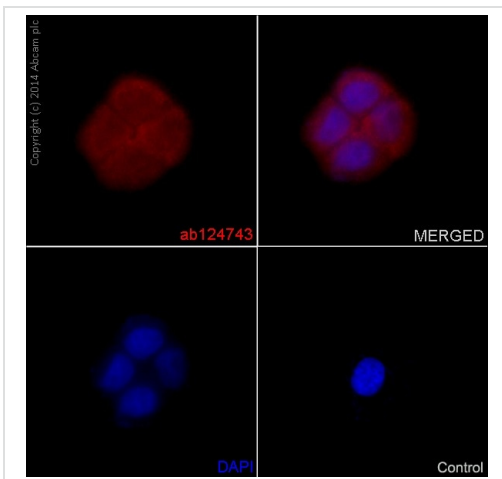
Flow Cytometry (Intracellular) - Anti-S100P antibody [EPR6142] (ab124743)

Intracellular Flow Cytometry analysis of BxPC-3 (human Pancreas adenocarcinoma) cells labeling S100P with purified ab124743 at 1/1700 dilution (1ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor[®] 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



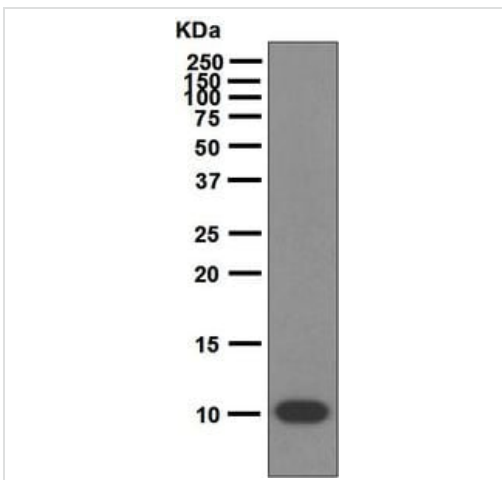
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Immunohistochemical staining of paraffin embedded human pancreatic adenocarcinoma with purified ab124743 at a working dilution of 1 in 300. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Immunocytochemistry/ Immunofluorescence - Anti-S100P antibody [EPR6142] (ab124743)

Immunofluorescence staining of BxPC-3 cells with purified ab124743 at a working dilution of 1 in 150, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 555 goat anti-rabbit, used at a dilution of 1 in 500. The cells were fixed in 4% PFA. The negative control is shown in bottom right hand panel - for the negative control, purified ab124743 was used at a dilution of 1/200 followed by an Alexa Fluor® 555 goat anti-mouse antibody at a dilution of 1/500.



Western blot - Anti-S100P antibody [EPR6142] (ab124743)

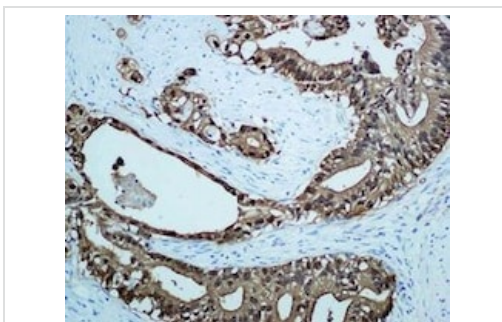
Anti-S100P antibody [EPR6142] (ab124743) at 1/1000 dilution (unpurified) + BxPC3 cell lysate at 10 µg

Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 10 kDa

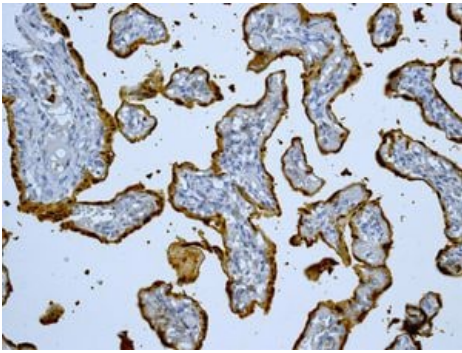
Observed band size: 10 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Unpurified ab124743, at 1/500 dilution, staining S100P in paraffin-embedded human pancreatic adenocarcinoma tissue by immunohistochemistry.

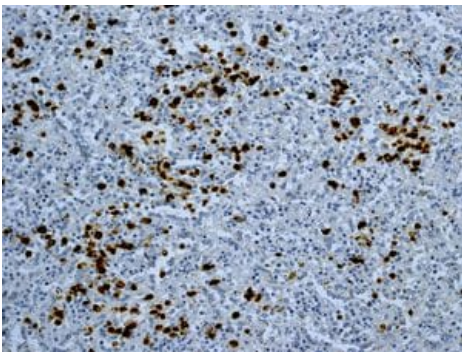
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Unpurified ab124743, at 1/500 dilution, staining S100P in paraffin-embedded human placenta tissue by immunohistochemistry.

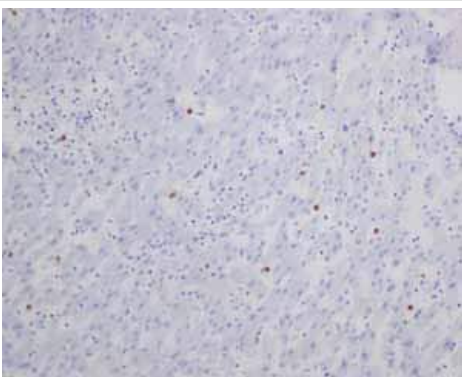
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Unpurified ab124743, at 1/500 dilution, staining S100P in paraffin-embedded human spleen tissue by immunohistochemistry.

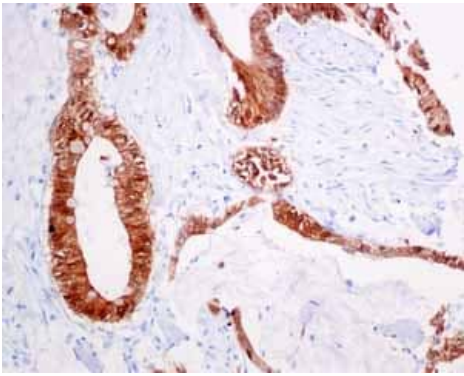
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Unpurified ab124743 showing negative staining in normal liver tissue.

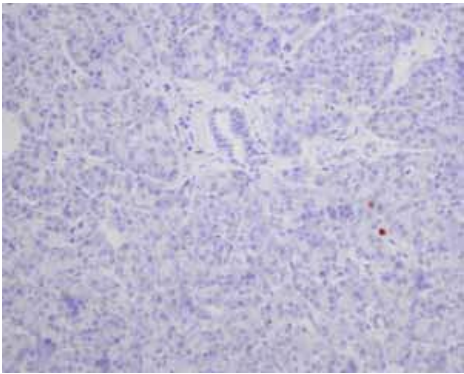
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Unpurified ab124743 showing positive staining in colonic adenocarcinoma tissue.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)



Unpurified ab124743 showing negative staining in normal pancreas tissue.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100P antibody [EPR6142] (ab124743)

Why choose a recombinant antibody?

- 

Research with confidence
Consistent and reproducible results
- 

Long-term and scalable supply
Recombinant technology
- 

Success from the first experiment
Confirmed specificity
- 

Ethical standards compliant
Animal-free production

Anti-S100P antibody [EPR6142] (ab124743)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors