

Anti-SH3PXD2B antibody ab122342

6 图像

概述

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| 产品名称 | Anti-SH3PXD2B抗体 |
| 描述 | 兔多克隆抗体to SH3PXD2B |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: IHC-P, WB, ICC |
| 种属反应性 | 与反应: Human |
| 免疫原 | Recombinant fragment within Human SH3PXD2B aa 550-650 (internal sequence). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. |

 [Run BLAST with](#)

 [Run BLAST with](#)

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| 阳性对照 | IHC-P: Human prostate, fallopian tube, testis, and skeletal muscle tissues; WB: U-2 OS cell lysate; ICC: U-2 OS cells. |
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| 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> |
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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: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine) |
| 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ab122342于以下的经测试应用

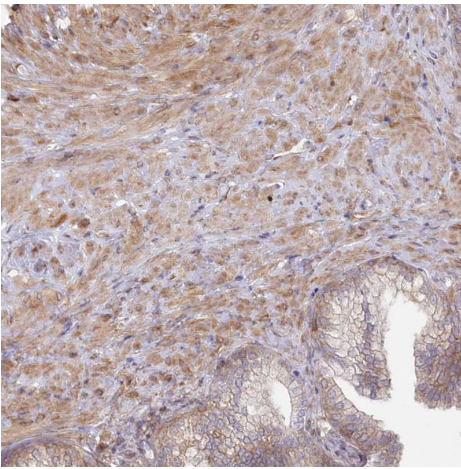
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|-------|------|---|
| IHC-P | | 1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| WB | | Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 102 kDa. |
| ICC | | Use a concentration of 0.25 - 2 µg/ml. |

靶标

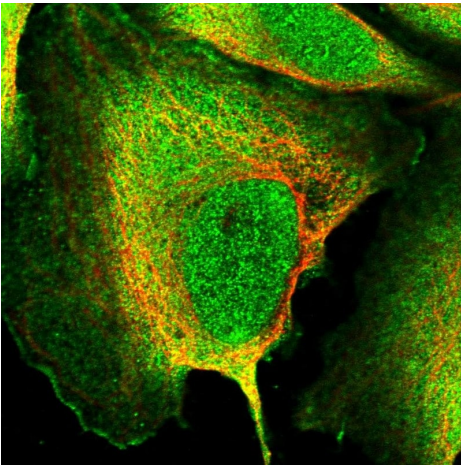
| | |
|--------------|---|
| 功能 | Adapter protein involved in invadopodia and podosome formation and extracellular matrix degradation. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1-or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. Plays a role in mitotic clonal expansion during the immediate early stage of adipocyte differentiation. |
| 组织特异性 | Expressed in fibroblasts. |
| 疾病相关 | Defects in SH3PXD2B are the cause of Frank-Ter Haar syndrome (FTHS) [MIM:249420]. It is a syndrome characterized by brachycephaly, wide fontanels, prominent forehead, hypertelorism, prominent eyes, macrocornea with or without glaucoma, full cheeks, small chin, bowing of the long bones and flexion deformity of the fingers. |
| 序列相似性 | Belongs to the SH3PXD2 family. Contains 1 PX (phox homology) domain. Contains 4 SH3 domains. |
| 结构域 | The PX domain is required for podosome localization because of its ability to bind phosphatidylinositol 3-phosphate (PtdIns(3)P) and phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P ₂) and, to a lesser extent, phosphatidylinositol 4-phosphate (PtdIns(4)P), phosphatidylinositol 5-bisphosphate (PtdIns(5)P), and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P ₂). Binds to the third intramolecular SH3 domain. |
| 翻译后修饰 | Phosphorylated in SRC-transformed cells. |
| 细胞定位 | Cytoplasm. Cell projection > podosome. Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells. |

图片



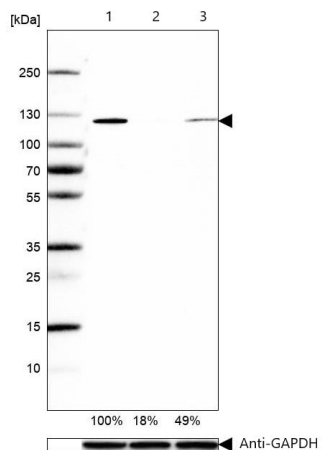
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate tissue labelling SH3PXD2B with ab122342 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3PXD2B antibody (ab122342)



Immunocytochemistry analysis of human cell line U-2 OS labelling SH3PXD2B with ab122342 at 2 µg/mL shows localization to nucleus & plasma membrane.

Immunocytochemistry - Anti-SH3PXD2B antibody (ab122342)



Western blot - Anti-SH3PXD2B antibody (ab122342)

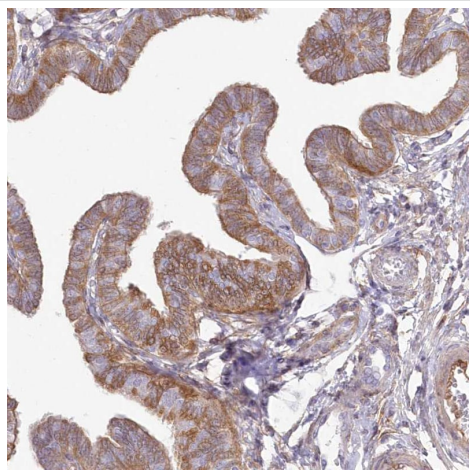
All lanes : Anti-SH3PXD2B antibody (ab122342) at 0.4 $\mu\text{g/ml}$

Lane 1 : U-2 OS cells transfected with control siRNA

Lane 2 : U-2 OS cells transfected with target specific siRNA probe #1

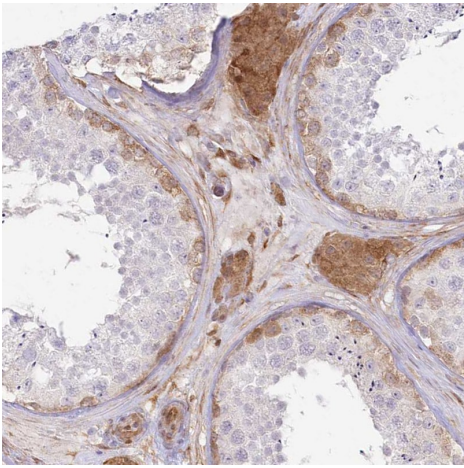
Lane 3 : U-2 OS cells transfected with target specific siRNA probe #2

Predicted band size: 102 kDa



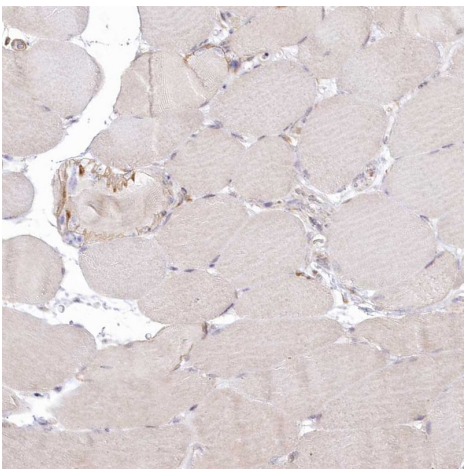
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3PXD2B antibody (ab122342)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human fallopian tube tissue labelling SH3PXD2B with ab122342 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human testis tissue labelling SH3PXD2B with ab122342 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3PXD2B antibody (ab122342)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue labelling SH3PXD2B with ab122342 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3PXD2B antibody (ab122342)

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