

Anti-SH3PXD2B antibody ab122342

画像数 6

製品の概要

製品名	Anti-SH3PXD2B antibody
製品の詳細	Rabbit polyclonal to SH3PXD2B
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB, ICC
種交差性	交差種: 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.

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ポジティブ・コントロール	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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特記事項	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.
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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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

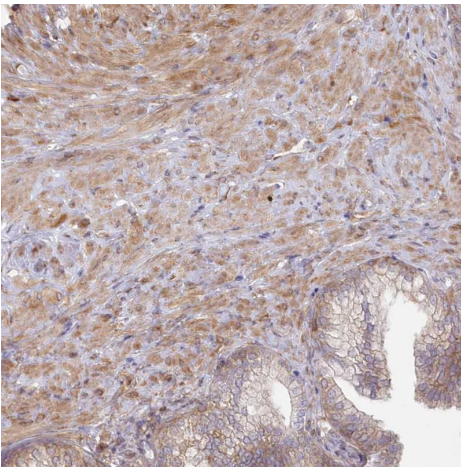
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab122342の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

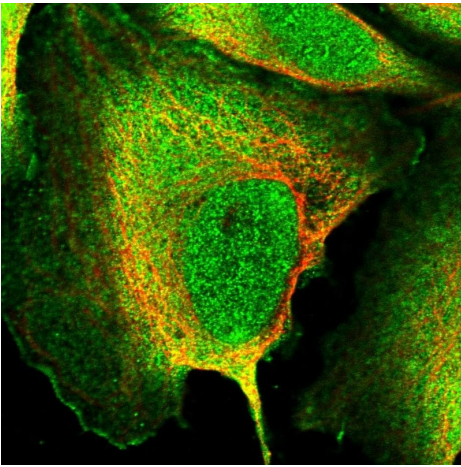
機能	Adapter protein involved in invadopodia and podosome formation and extracellular matrix degradation. Binds matrix metalloproteinases (ADAMs), NADPH oxidases (NOXs) and phosphoinositides. Acts as an organizer protein that allows NOX1-or NOX3-dependent reactive oxygen species (ROS) generation and ROS localization. Plays a role in mitotic clonal expansion during the immediate early stage of adipocyte differentiation.
組織特異性	Expressed in fibroblasts.
関連疾患	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.
配列類似性	Belongs to the SH3PXD2 family. Contains 1 PX (phox homology) domain. Contains 4 SH3 domains.
ドメイン	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.
翻訳後修飾	Phosphorylated in SRC-transformed cells.
細胞内局在	Cytoplasm. Cell projection > podosome. Cytoplasmic in normal cells and localizes to podosomes in SRC-transformed cells.

画像



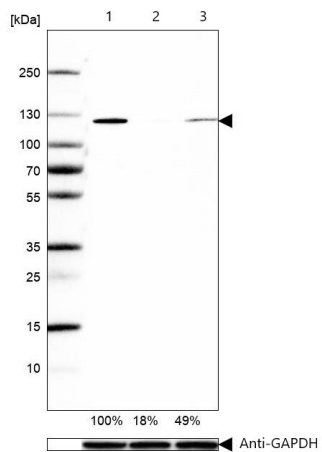
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate tissue labelling SH3PXD2B with ab122342 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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)

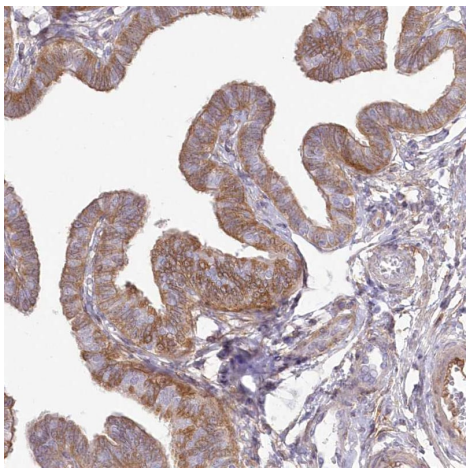
All lanes : Anti-SH3PXD2B antibody (ab122342) at 0.4 $\mu\text{g/ml}$

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

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

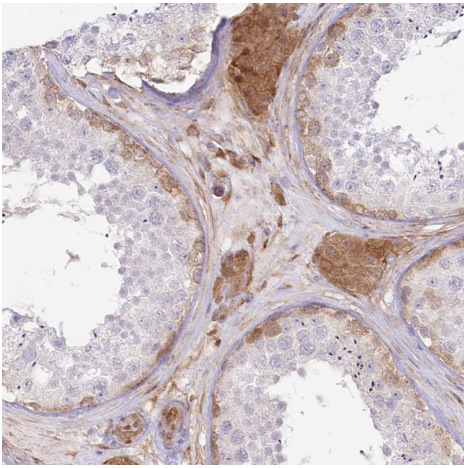
Lane 3 : U-2 OS cells transfected with target specific siRNA probe #2

Predicted band size: 102 kDa



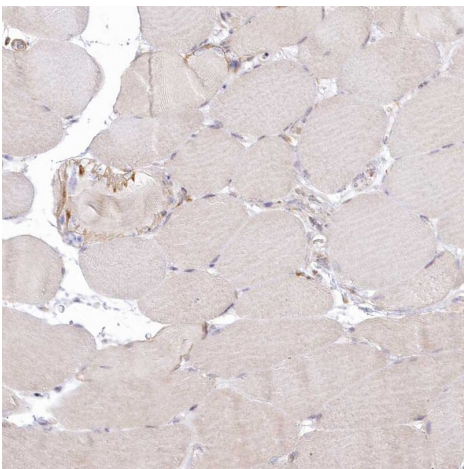
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3PXD2B antibody (ab122342)

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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