abcam

Product datasheet

Anti-SH3PXD2B antibody ab123503

画像数 1

製品の概要

製品名	Anti-SH3PXD2B antibody
製品の詳細	Rabbit polyclonal to SH3PXD2B
アプリケーション	**適用あり:** IP **適用なし:** WB
種交差性	**交差種:** Human **交差が予測される動物種:** Chimpanzee, Gorilla, Orangutan
免疫原	Synthetic peptide, corresponding to a region within the amino acids 300-350 of Human SH3PXD2B using the numbering given in entry NP_001017995.1.
ポジティブ・コントロール	HeLa whole cell lysate

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	Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate Note: pH 7 to 8
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

Our Abpromise guarantee covers the use of **ab123503** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

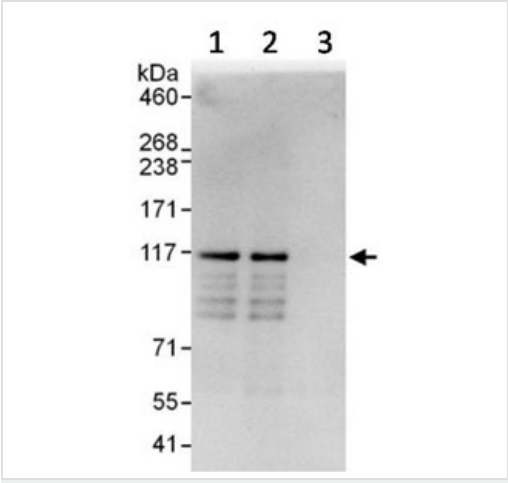
アプリケーション	Abreviews	特記事項
IP		Use at 2-10 µg/mg of lysate.

追加情報	Is unsuitable for WB.

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-biphosphate (PtdIns(3,4)P2) and, to a lesser extent, phosphatidylinositol 4-phosphate (PtdIns(4)P), phosphatidylinositol 5-biphosphate (PtdIns(5)P), and phosphatidylinositol 3,5-biphosphate (PtdIns(3,5)P2). 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



Immunoprecipitation - Anti-SH3PXD2B antibody (ab123503)

Detection of Human SH3PXD2B by Immunoprecipitation from HeLa whole cell lysate (1 mg for IP, 20% of IP loaded), using ab123503 at 6 µg/mg lysate for IP
Subsequent Western blot detection used an antibody which recognized a downstream epitope of SH3PXD2B.
Detection: Chemiluminescence with an exposure time of 10 seconds.

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