

Anti-SH3PXD2B antibody ab123503

1 图像

概述

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: IP 不适用于: WB
种属反应性	与反应: Human 预测可用于: 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.
阳性对照	HeLa whole cell lysate

性能

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	Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8
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ab123503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
IP		Use at 2-10 µg/mg of lysate.

应用	Ab评论	说明

应用说明 Is unsuitable for WB.

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 fontanel, 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.

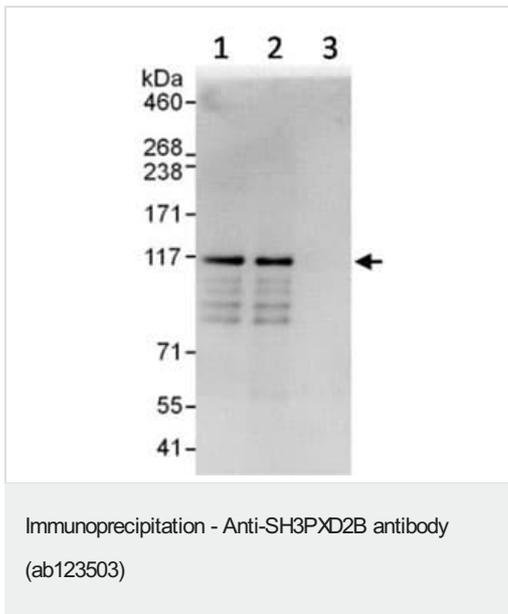
序列相似性 Belongs to the SH3PXD2 family.
Contains 1 PX (phox homology) domain.
Contains 4 SH3 domains.

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)P₂) 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)P₂). 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



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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