abcam

Product datasheet

Anti-PIP5K1C antibody [MAO-R1] ab109192

敲除 验证   重组   RabMAb

9 References   3 图像

概述

产品名称	Anti-PIP5K1C抗体[MAO-R1]
描述	兔单克隆抗体[MAO-R1] to PIP5K1C
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** Flow Cyt,ICC/IF or IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Full length protein corresponding to Mouse PIP5K1C.
阳性对照	WB: HeLa, Neuro-2a, K562, C6 and 293T cell lysates; Human fetal kidney tissue lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	MAO-R1
同种型	IgG

应用

The Abpromise guarantee		**Abpromise™承诺保证使用ab109192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
WB		1/1000 - 1/10000. Detects a band of approximately 80-90 kDa (predicted molecular weight: 73 kDa).

应用说明	Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

靶标

功能	Plays a role in membrane ruffling and assembly of clathrin-coated pits at the synapse. Mediates RAC1-dependent reorganization of actin filaments (By similarity). Participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate.
疾病相关	Defects in PIP5K1C are the cause of lethal congenital contracture syndrome type 3 (LCCS3) [MIM:611369]; also known as multiple contractural syndrome Israeli Bedouin type B. LCCS is an autosomal recessive disorder characterized by early fetal hydrops and akinesia, the Pena-Shokeir phenotype, specific neuropathology with degeneration of anterior horn neurons and extreme skeletal muscle atrophy. LCCS3 patients present at birth with severe multiple joint contractures with severe muscle wasting and atrophy, mainly in the legs. LCCS3 can be distinguished from the original LCCS by the absence of hydrops, fractures, and multiple pterygia.
序列相似性	Contains 1 PIPK domain.
细胞定位	Cell membrane. Cytoplasmic, associated with the plasma membrane. Detected in focal adhesion plaques, membrane ruffles and plasma membrane invaginations.

图片

Western blot - Anti-PIP5K1C antibody [MAO-R1] (ab109192)
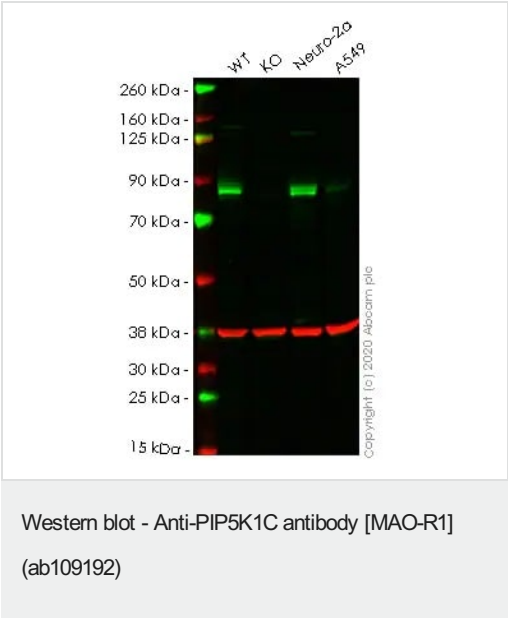
All lanes : Anti-PIP5K1C antibody [MAO-R1] (ab109192) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : PIP5K1C knockout HeLa cell lysate
Lane 3 : Neuro-2a cell lysate
**Lane 4 :** A549 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/20000 dilution

Predicted band size: 73 kDa

Lanes 1-4: Merged signal (red and green). Green - ab109192 observed at 73 kDa. Red - loading control **ab8245** observed at 37 kDa.

ab109192 Anti-PIP5K1C antibody [MAO-R1] was shown to specifically react with PIP5K1C in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265545** (knockout cell lysate **ab258117**) was used. Wild-type and PIP5K1C knockout samples were subjected to SDS-PAGE. ab109192 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Western blot - Anti-PIP5K1C antibody [MAO-R1] (ab109192)
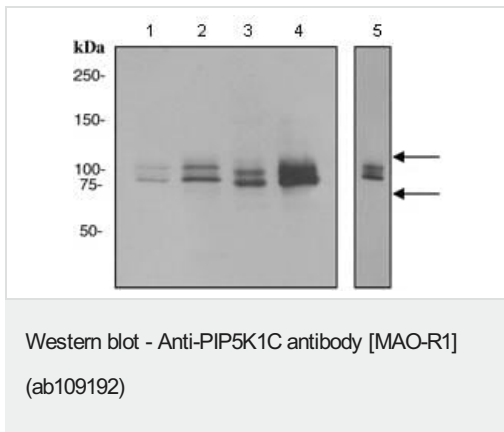
All lanes : Anti-PIP5K1C antibody [MAO-R1] (ab109192) at 1/1000 dilution

Lane 1 : K562 cell lysate

Lane 2 : Human fetal kidney cell lysate

Lane 3 : C6 cell lysate

Lane 4 : Neuro-2a cell lysate

Lane 5 : 293T cell lysate

Lysates/proteins at 10 μg per lane.

Predicted band size: 73 kDa

Anti-PIP5K1C antibody [MAO-R1] (ab109192)

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