


Product datasheet

Anti-PLEKHO1 antibody ab113663

2 图像

概述

产品名称	Anti-PLEKHO1抗体
描述	兔多克隆抗体to PLEKHO1
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide from within the C terminal region of Human PLEKHO1, conjugated to KLH
阳性对照	Human Brain, Cerebellum Human lung tissue lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab113663** in the following tested applications.

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

应用	Ab评论	说明
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 46 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能

Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation.

组织特异性

Abundantly expressed in skeletal muscle and heart, moderately in kidney, liver, brain and placenta and sparingly in the pancreas and lung. Easily detectable in cancer cell lines such as MOLT-4, HEK293 and Jurkat cells.

序列相似性

Contains 1 PH domain.

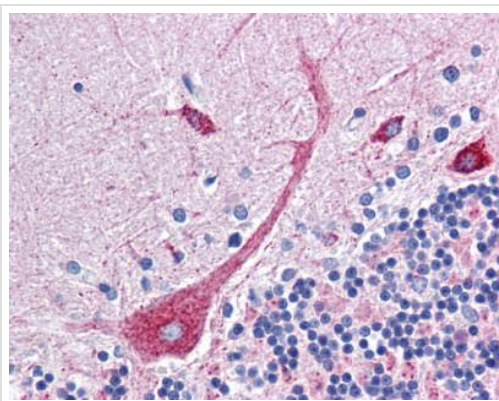
翻译后修饰

C-terminal fragments could be released during apoptosis via caspase-3-dependent cleavage.

细胞定位

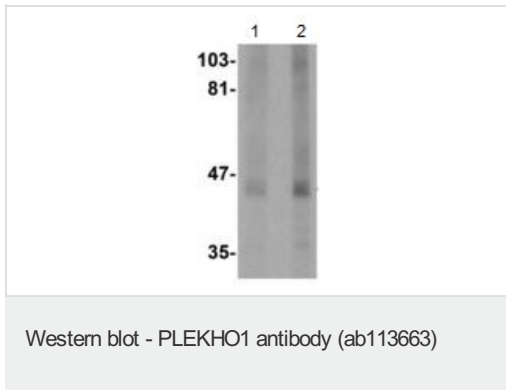
Cell membrane. Nucleus. Cytoplasm. Predominantly localized to the plasma membrane. In C2C12 cells, with the absence of growth factor, it is found in the nucleus. It rapidly translocates to the plasma membrane after insulin stimulation. In response to TNF, it translocates from the plasma membrane to the cytoplasm and then to the nucleus accompanied by cleavage by caspase-3. However, the subcellular location is highly dependent of the cell type, and this explains why it is found exclusively at the plasma membrane, in some type of cells.

图片



Immunohistochemistry analysis of formalin-Fixed, paraffin-embedded human brain, cerebellum with ab113663 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - PLEKHO1 antibody (ab113663)



Lane 1 : Anti-PLEKHO1 antibody (ab113663)

at 1 µg/ml

Lane 2 : Anti-PLEKHO1 antibody (ab113663)

at 2 µg/ml

Lane 1 : human lung tissue lysate

Lane 2 : human lung tissue lysate

Predicted band size : 46 kDa

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