

Product datasheet

Anti-CCK4 antibody ab117412

★★★★☆ 7 Abreviews 2 图像

概述

| | |
|-------|---|
| 产品名称 | Anti-CCK4抗体 |
| 描述 | 兔多克隆抗体to CCK4 |
| 经测试应用 | 适用于: WB, ELISA, ICC/IF |
| 种属反应性 | 与反应: Mouse, Rat, Human |
| 免疫原 | Purified Human CCK4 protein, emulsified in complete adjuvant. |
| 阳性对照 | MCF7 and T4D7 cells extracts. |

性能

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| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| 存储溶液 | Constituents: Proprietary component, Whole serum |
| 纯度 | Immunogen affinity purified |
| 纯化说明 | The anti-serum was pre-cleared for tag protein and then affinity purified on immobilized PTK7 affinity chromatography. |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

Our [Abpromise guarantee](#) covers the use of **ab117412** in the following tested applications.

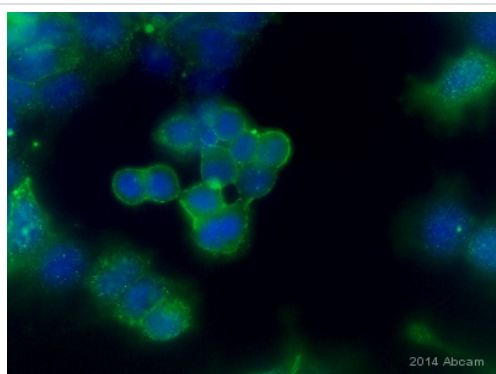
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用 | Ab评论 | 说明 |
|--------|-------|--|
| WB | ★★★★☆ | 1/500. Detects a band of approximately 133 kDa (predicted molecular weight: 93 kDa). |
| ELISA | | 1/10000. |
| ICC/IF | ★★★★☆ | Use at an assay dependent concentration. |

靶标

| | |
|--------------|--|
| 功能 | Inactive tyrosine kinase involved in Wnt signaling pathway. Component of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis. |
| 组织特异性 | Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon. |
| 序列相似性 | Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 7 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain. |
| 结构域 | The protein kinase domain is predicted to be catalytically inactive. |
| 翻译后修饰 | MMP14 cleaves PTK7 between Pro-621 and Leu-622 generating an N-terminal soluble (70 kDa) fragment and a membrane C-terminal (50 kDa) fragment. Proteolysis by MMP14 regulates PTK7 function in non-canonical Wnt signaling pathway. |
| 细胞定位 | Membrane. Cell junction. Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells. |

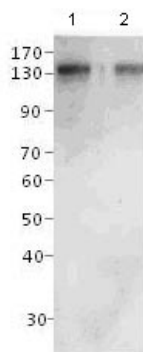
图片



Immunocytochemistry/ Immunofluorescence - Anti-CCK4 antibody (ab117412)

This image is courtesy of an anonymous Abreview

ab117412 staining CCK4 (green) in wild type mouse embryonic stem cells (D3) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with methanol/acetone (1:1), permeabilized with 0.1% Triton X-100 and blocked with 1% serum for 30 minutes at 16°C. Samples were incubated with primary antibody (1/100 in blocking buffer) for 2 hour at 16°C. [ab15007](#), an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. DAPI (blue) - nuclei.



Western blot - Anti-CCK4 antibody (ab117412)

All lanes : Anti-CCK4 antibody (ab117412) at

1/500 dilution

Lane 1 : MCF7 cells extracts

Lane 2 : T4D7 cells extracts

Predicted band size : 93 kDa

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