

Anti-HBEGF/DTR antibody [4G10] ab66792

5 References 3 图像

概述

| | |
|-------|---|
| 产品名称 | Anti-HBEGF/DTR抗体[4G10] |
| 描述 | 小鼠单克隆抗体[4G10] to HBEGF/DTR |
| 宿主 | Mouse |
| 经测试应用 | 适用于: IP, WB, ICC/IF |
| 种属反应性 | 与反应: Human, Recombinant fragment |
| 免疫原 | Recombinant fragment corresponding to Human HBEGF/DTR. |
| 表位 | EGF domain |
| 阳性对照 | Vero cell extract carrying human HBEGF/DTR expression vector. |
| 常规说明 | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

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 | pH: 6 Constituents: PBS, 50% Glycerol (glycerin, glycerine) |
| 纯度 | Protein G purified |
| 纯化说明 | Produced in serum-free medium and purified by combination of chromatography |
| 克隆 | 单克隆 |
| 克隆编号 | 4G10 |
| 同种型 | IgG1 |

应用

The Abpromise guarantee

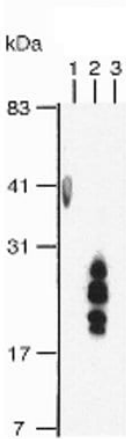
Abpromise™承诺保证使用ab66792于以下的经测试应用

“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 an assay dependent concentration. Use at 2µg/ml |
| WB | | Use a concentration of 0.2 - 1 µg/ml. Detects a band of approximately 20-28 kDa (predicted molecular weight: 23, 40 kDa). |
| ICC/IF | | Use a concentration of 5 - 10 µg/ml. |

| | |
|-------|---|
| 靶标 | |
| 功能 | May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF . Also acts as a diphtheria toxin receptor. |
| 序列相似性 | Contains 1 EGF-like domain. |
| 翻译后修饰 | Several N-termini have been identified by direct sequencing. The forms with N-termini 63, 73 and 74 have been tested and found to be biologically active. O-linked glycan attachment sites were determined by Edman degradation, O-glycanase digest suggests mucin-type glycosylation (done in HB-EGF purified from histiocytic lymphoma cell line U-937). |
| 细胞定位 | Cell membrane and Secreted > extracellular space. Mature HB-EGF is released into the extracellular space and probably binds to a receptor. |

图片



Western blot - Anti-HBEGF/DTR antibody [4G10] (ab66792)

All lanes : Anti-HBEGF/DTR antibody [4G10] (ab66792) at 1 µg/ml

Lane 1 : Vero (African green monkey kidney epithelial cell) whole cell lysate

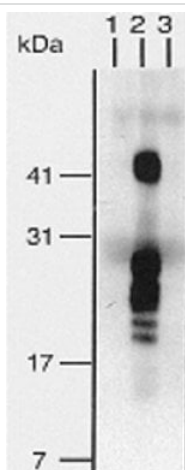
Lane 2 : Vero cell extract from cells carrying human HBEGF/DTR expression vector

Lane 3 : Vero cell extract from cells carrying mouse HBEGF/DTR expression vector

Predicted band size: 23, 40 kDa

Observed band size: 20-28 kDa

Additional bands at: 41 kDa. We are unsure as to the identity of these extra bands.



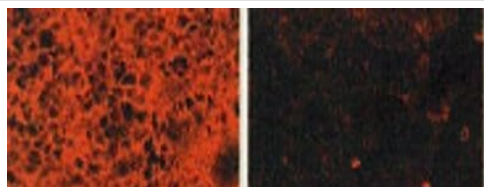
Immunoprecipitation - Anti-HBEGF/DTR antibody
[4G10] (ab66792)

Lane 1: Vero cell extract, 1µg

Lane 2: Vero cells carrying Human HBEGF/DTR expression vector, 1µg

Lane 3: Vero Cells carrying mouse HBEGF/DTR expression vector, 1µg

Ab66792 immunoprecipitating HBEGF/DTR in Vero Cells. For western blotting, a HRP conjugated streptavidin was used as the secondary antibody; cell surface was biotinylated.



Immunocytochemistry/ Immunofluorescence - Anti-HBEGF/DTR antibody [4G10] (ab66792)

These images show Vero cells carrying human HG-EGF expression vector (left hand image) and Vero cells carrying mouse HBEGF/DTR expression vector (right hand image). Cells treated with ab 66792, fixed with 4% PFA and reacted with Cys3 conjugated 2nd antibody.

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