

Product datasheet

Anti-HB EGF antibody [4G10] ab66792

2 References 3 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-HB EGF抗体[4G10] |
| 描述 | 小鼠单克隆抗体[4G10] to HB EGF |
| 宿主 | Mouse |
| 经测试应用 | 适用于: IP, WB, ICC/IF |
| 种属反应性 | 与反应: Human 不与反应: Mouse |
| 免疫原 | Recombinant human HB EGF ectodomain expressed in SF21 cells. |
| 表位 | EGF domain |
| 阳性对照 | Vero cell extract carrying human HB-EGF expression vector. |

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 | Constituents: PBS, 50% Glycerol |
| 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

Our [Abpromise guarantee](#) covers the use of **ab66792** 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 |
|----|------|----|
| | | |

| 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.

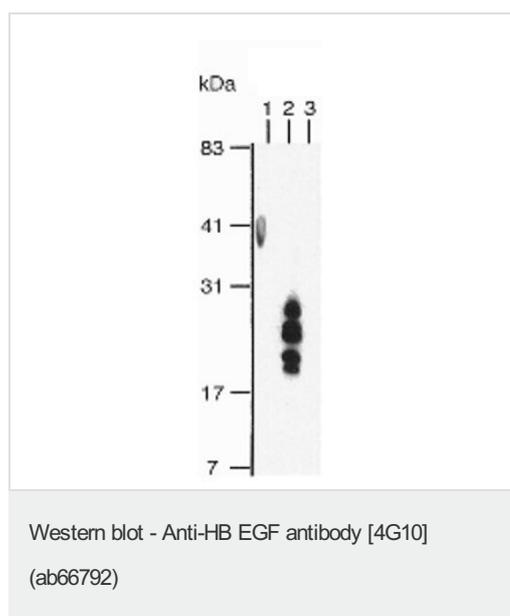
翻译后修饰

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



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

Lane 1 : Vero cell extract

Lane 2 : Vero cell extract from cells carrying human HB-EGF expression vector.

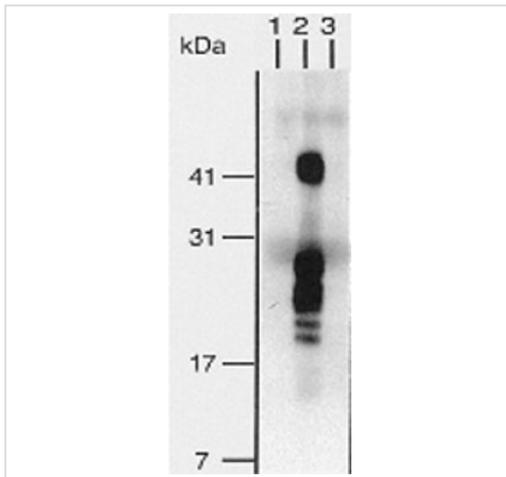
Lane 3 : Vero cell extract from cells carrying mouse HB-EGF expression vector

Predicted band size: 23, 40 kDa

Observed band size: 20-28 kDa

[why is the actual band size different from the predicted?](#)

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



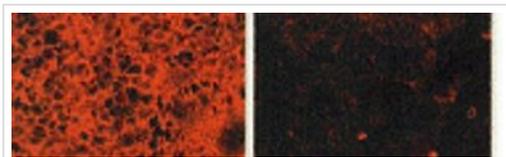
Immunoprecipitation - Anti-HB EGF antibody [4G10]
(ab66792)

Lane 1: Vero cell extract, 1 μ g

Lane 2: Vero cells carrying Human HB EGF expression vector, 1 μ g

Lane 3: Vero Cells carrying mouse HB EGF expression vector,
1 μ g

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



Immunocytochemistry/ Immunofluorescence - Anti-HB EGF antibody [4G10] (ab66792)

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

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors