

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	Preservative: None Constituents: 50% Glycerol, PBS
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.

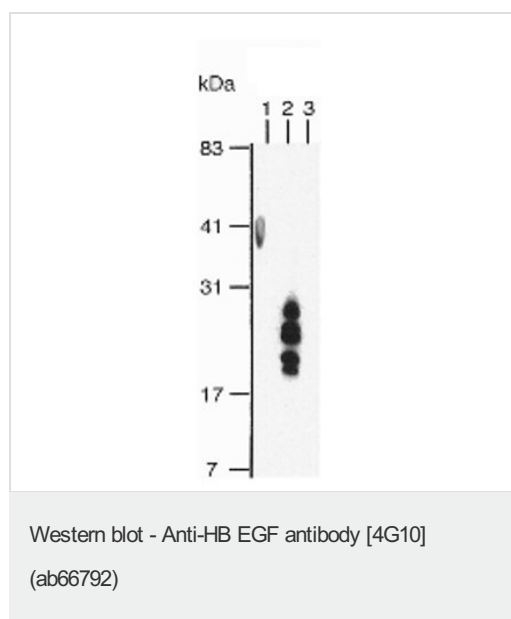
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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

<b>功能</b>	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.
<b>序列相似性</b>	Contains 1 EGF-like domain.
<b>翻译后修饰</b>	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).
<b>细胞定位</b>	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

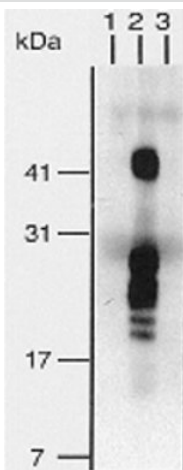
**Lane 2 :** Vero cell extract from cells carrying human HB-EGF expression vector.

**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

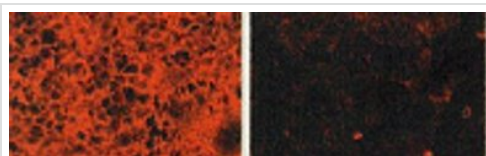
**Additional bands at:** 41 kDa. We are unsure as to the identity of these extra bands.



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

- Lane 1:** Vero cell extract, 1µg  
**Lane 2:** Vero cells carrying Human HB EGF expression vector, 1µg  
**Lane 3:** Vero Cells carrying mouse HB EGF expression vector, 1µg

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.

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