

# Biotin Anti-EGF antibody [3A8] ab155576

## 2 图像

### 概述

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产品名称	生物素Anti-EGF抗体[3A8]
描述	生物素小鼠单克隆抗体[3A8] to EGF
宿主	Mouse
偶联物	Biotin
经测试应用	适用于: ICC/IF, Sandwich ELISA
种属反应性	与反应: Human
免疫原	Recombinant Human EGF protein (NP_001954.2).
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&amp;As</p>

### 性能

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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	Constituents: 95% PBS, 4% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	3A8
同种型	IgG

### 应用

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**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab155576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
ICC/IF		1/50.
Sandwich ELISA		Use a concentration of 0.125 - 0.25 µg/ml.

## 靶标

### 功能

EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. Can induce neurite outgrowth in motoneurons of the pond snail *Lymnaea stagnalis* in vitro (PubMed:10964941).

### 组织特异性

Expressed in kidney, salivary gland, cerebrum and prostate.

### 疾病相关

Hypomagnesemia 4

### 序列相似性

Contains 9 EGF-like domains.

Contains 9 LDL-receptor class B repeats.

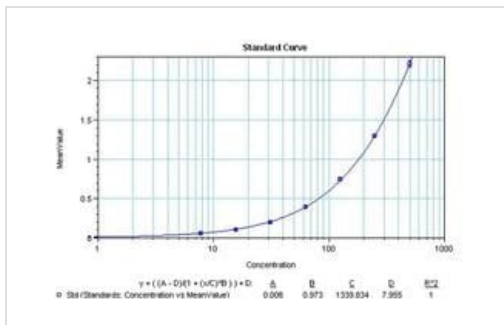
### 翻译后修饰

O-glycosylated with core 1-like and core 2-like glycans. It is uncertain if Ser-954 or Thr-955 is O-glycosylated. The modification here shows glycan heterogeneity: HexHexNAc (major) and Hex2HexNAc2 (minor).

### 细胞定位

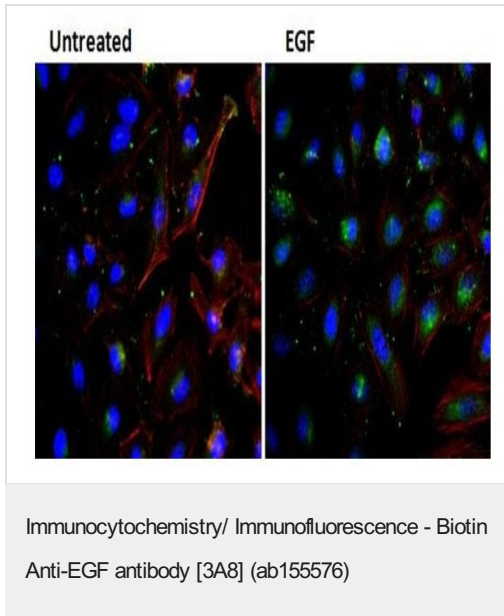
Membrane.

## 图片



Sandwich ELISA analysis of Human EGF using ab155576.

Sandwich ELISA - Biotin Anti-EGF antibody [3A8]  
(ab155576)



Immunocytochemical analysis of EGF (green) in HeLa cells untreated (left panel) or treated with 10 ng/mL EGF (right panel) for 5 minutes. Formalin fixed cells were permeabilized with 0.1% Triton X-100. Cells were probed with ab155576 at a dilution of 1/50 for 1 hour at room temperature, followed by DyLight 488 goat anti-mouse IgG secondary antibody at a dilution of 1/400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight 554 Phalloidin and nuclei (blue) were stained with Hoechst 33342 dye.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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