

Anti-EGF antibody [EPR19174] ab184266

重组 RabMAb

7 图像

概述

产品名称	Anti-EGF抗体[EPR19174]
描述	兔单克隆抗体[EPR19174] to EGF
宿主	Rabbit
经测试应用	适用于: WB, IHC-Fr, IP
种属反应性	与反应: Mouse
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse EGF recombinant protein; Mouse salivary gland and kidney lysates; Mouse urine sample. IHC-Fr: Mouse kidney tissue. IP: Mouse urine sample
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19174
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab184266于以下的经测试应用

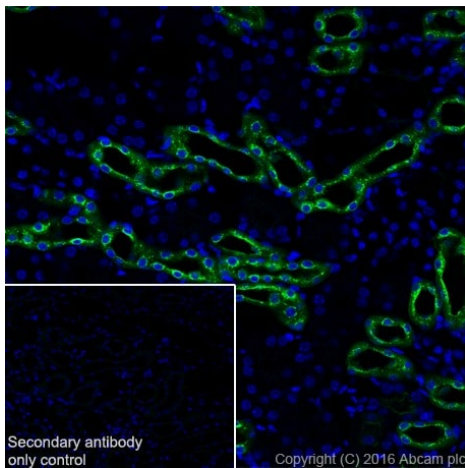
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 160, 6 kDa (predicted molecular weight: 133 kDa).
IHC-Fr		1/500.
IP		1/40.

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 <i>Lymnaea stagnalis</i> 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



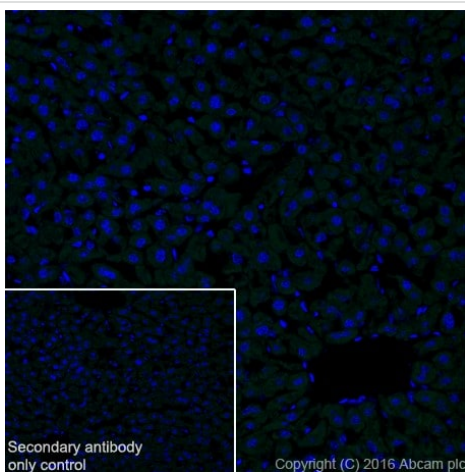
Immunohistochemistry (Frozen sections) - Anti-EGF antibody [EPR19174] (ab184266)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Mouse kidney tissue labeling EGF with ab184266 at 1/500 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Cytoplasmic staining on mouse kidney is observed. The staining pattern is consistent with what has been described in the literature (PMID:17671655).

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution.



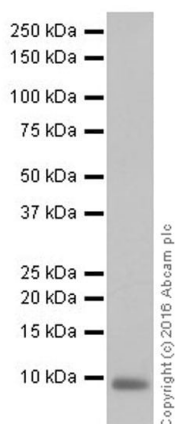
Immunohistochemistry (Frozen sections) - Anti-EGF antibody [EPR19174] (ab184266)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Mouse liver tissue labeling EGF with ab184266 at 1/500 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution (green).

Weak staining on mouse liver is observed. The expression profile observed is consistent with what has been described in the literature (PMID:17671655).

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution.



Western blot - Anti-EGF antibody [EPR19174] (ab184266)

Anti-EGF antibody [EPR19174] (ab184266) at 1/2000 dilution + Mouse EGF recombinant protein at 0.01 µg

Secondary

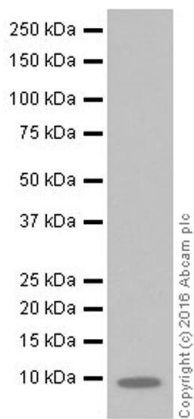
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 133 kDa

Observed band size: 6 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFD/MTBST.



Western blot - Anti-EGF antibody [EPR19174] (ab184266)

Anti-EGF antibody [EPR19174] (ab184266) at 1/1000 dilution +
 Mouse salivary gland lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

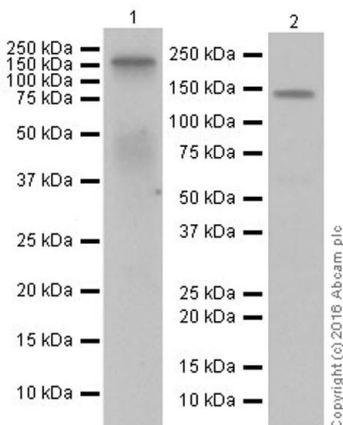
Predicted band size: 133 kDa

Observed band size: 6 kDa

Exposure time: 5 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID:2268351 & 7499272).



Western blot - Anti-EGF antibody [EPR19174] (ab184266)

All lanes : Anti-EGF antibody [EPR19174] (ab184266) at 1/1000 dilution

Lane 1 : Mouse kidney lysate

Lane 2 : Mouse urine sample

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

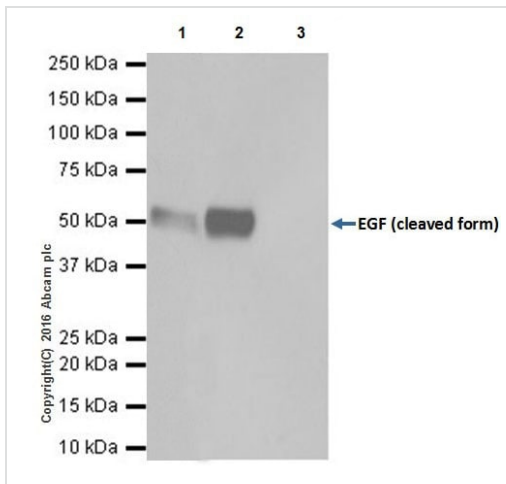
Predicted band size: 133 kDa

Observed band size: 160 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure times: Lane 1: 8 seconds; Lane 2: 5 seconds.

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID:2268351 & 7499272).



Immunoprecipitation - Anti-EGF antibody
[EPR19174] (ab184266)

EGF was immunoprecipitated from 0.35 mg of Mouse urine sample with ab184266 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab184266 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Mouse urine sample, 10µg (Input).

Lane 2: ab184266 IP in Mouse urine sample.

Lane 3: Rabbit IgG, monoclonal [EPR25A]-Isotype Control ([ab172730](#)) instead of ab184266 in Mouse urine sample.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 1 second.

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-EGF antibody [EPR19174] (ab184266)

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

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