

Anti-EGF antibody [EPR21926] - BSA and Azide free ab233699

重组 RabMAb

4 图像

概述

产品名称	Anti-EGF抗体[EPR21926] - BSA and Azide free
描述	兔单克隆抗体[EPR21926] to EGF - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: WB, IHC-Fr, IP, IHC-P
种属反应性	与反应: Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Rat kidney tissue.
常规说明	<p>ab233699 is the carrier-free version of ab218831.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR21926
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab233699于以下的经测试应用

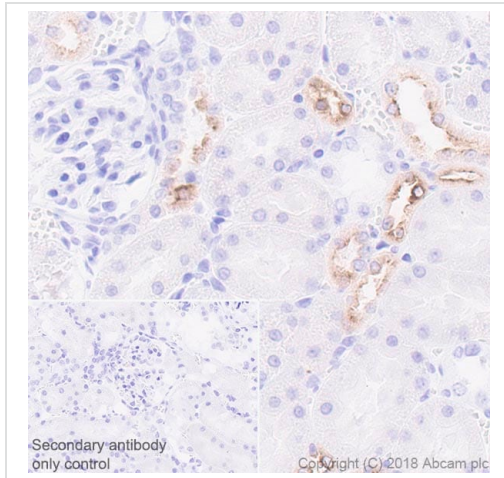
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 133 kDa.
IHC-Fr		Use at an assay dependent concentration. Perform heat-mediated antigen retrieval by sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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



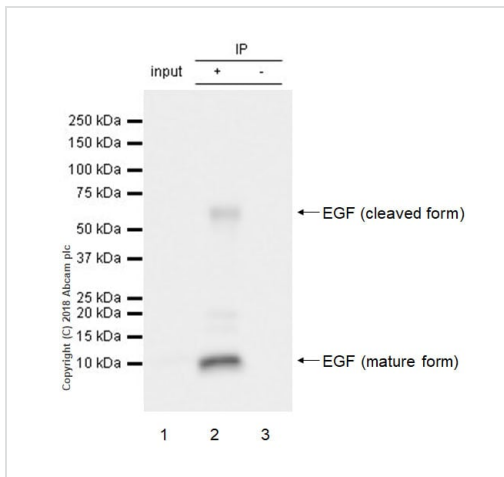
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EGF antibody [EPR21926] - BSA and Azide free (ab233699)

Immunohistochemical analysis of paraffin-embedded rat kidney tissue labeling EGF with **ab218831** at 1/10,000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining in distal convoluted tubules of rat kidney (PMID 1930151) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat-mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab218831**).**



Immunoprecipitation - Anti-EGF antibody [EPR21926] - BSA and Azide free (ab233699)

EGF was immunoprecipitated from 0.35 mg of rat salivary gland lysate with **ab218831** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab218831** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

Lane 1: Rat salivary gland tissue 10 µg (Input).

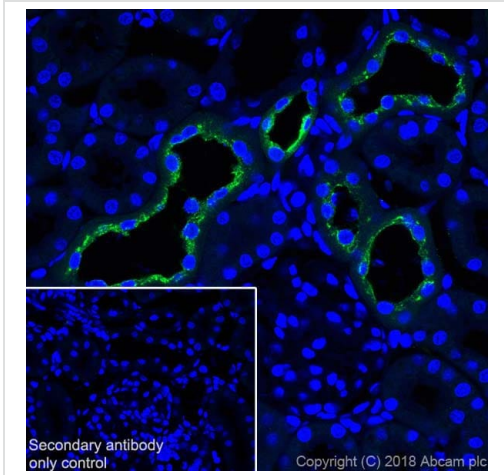
Lane 2: **ab218831** IP in rat salivary gland lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab218831** in rat salivary gland lysate.

Blocking/ Dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 3 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab218831**).



Immunohistochemistry (Frozen sections) - Anti-EGF antibody [EPR21926] - BSA and Azide free (ab233699)





Immunohistochemical analysis of frozen rat kidney tissue labeling EGF with **ab218831** at 1/500 dilution, followed by AlexaFluor[®]488 Goat anti-Rabbit secondary (**ab150077**) at 1/1000 dilution. Positive staining on distal convoluted tubule of rat kidney (PMID: 23143303) is observed. Tissue was fixed in 4% PFA and permeabilized using 0.2% Triton X-100.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor[®]488 Goat anti-Rabbit secondary (**ab150077**) at 1/1000 dilution.

Perform heat-mediated antigen retrieval by sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab218831**).

Why choose a recombinant antibody?

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

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