

Anti-CGRP-I+CGRP-II antibody [EPR23804-95] ab283568

重组 RabMAb

1 References **14 图像**

概述

产品名称	Anti-CGRP-I+CGRP-II抗体[EPR23804-95]
描述	兔单克隆抗体[EPR23804-95] to CGRP-I+CGRP-II
宿主	Rabbit
特异性	Does not work with human IHC-P.
经测试应用	适用于: WB, IHC-Fr, IHC-P, Flow Cyt (Intra), ICC/IF 不适用于: IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: TT whole cell lysate, His-tagged mouse CALCB recombinant protein and Mouse CALCA recombinant protein lysates. IHC-P: Mouse spinal cord, Rat spinal cord and Mouse colon tissues. IHC-Fr: Mouse spinal cord and Rat spinal cord. ICC/IF: TT cells. Flow Cyt-intra: TT cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 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EPR23804-95
同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab283568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。

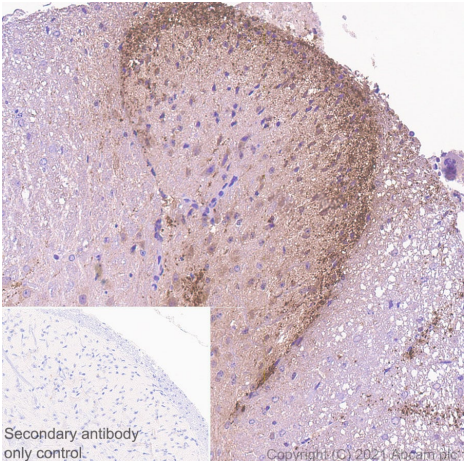
应用	Ab评论	说明
WB		1/1000.
IHC-Fr		1/100. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/5000.
ICC/IF		1/100.

应用说明Is unsuitable for IP.

靶标

细胞定位CALCB: Secreted. CGRP-I: Secreted.

图片



Secondary antibody only control.

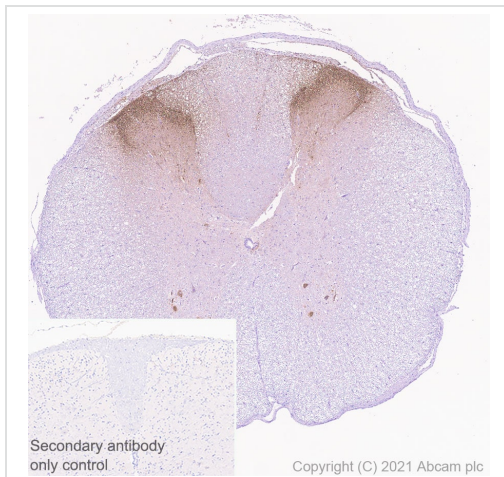
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of paraffin-embedded Mouse spinal cord tissue labelling CGRP-I+CGRP-II with ab283568 at 1/1000 (0.639 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on mouse central termination sensory neurons (PMID: 29634489). The section was incubated with ab283568 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins

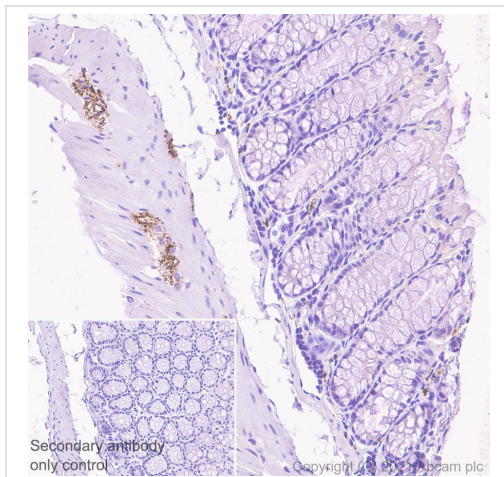


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of paraffin-embedded Rat spinal cord tissue labelling CGRP-I+CGRP-II with ab283568 at 1/1000 (0.639 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on rat central termination sensory neurons. The section was incubated with ab283568 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins

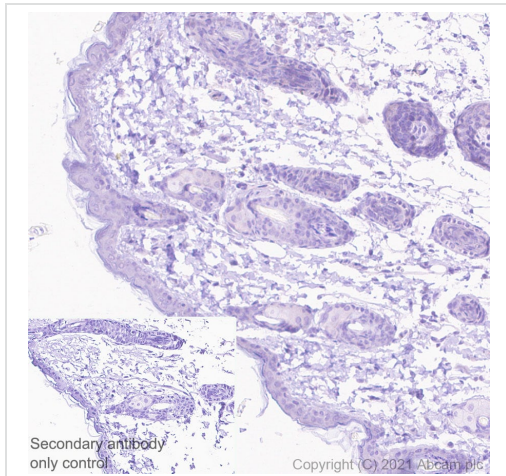


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labelling CGRP-I+CGRP-II with ab283568 at 1/1000 (0.639 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on the muscularis nerve fibres of mouse colon. The section was incubated with ab283568 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



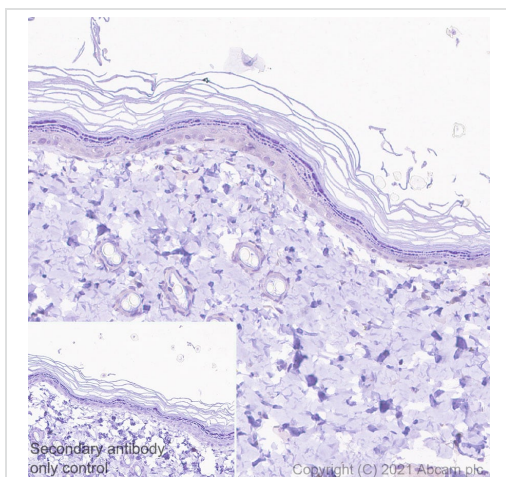
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of paraffin-embedded Mouse skin tissue labelling CGRP-I+CGRP-II with ab283568 at 1/1000 (0.639 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). The section was incubated with ab283568 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Negative control: no staining on mouse skin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



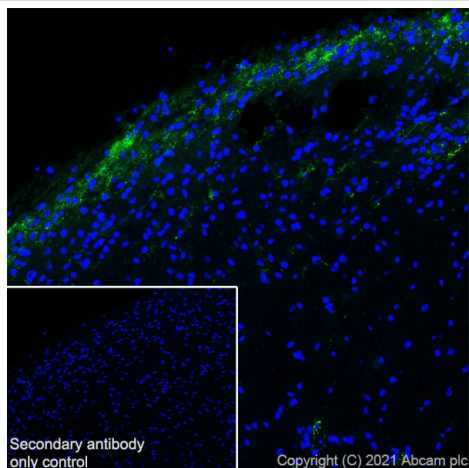
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Negative control: no staining on rat skin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins

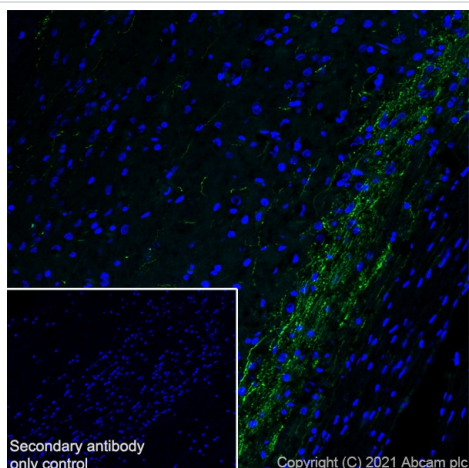


Immunohistochemistry (Frozen sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse spinal cord tissue labeling CGRP-I+CGRP-II with ab283568 at 1/100 (6.39 ug/ml) dilution followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution (Green). Positive staining on the dorsal horn of mouse spinal cord is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

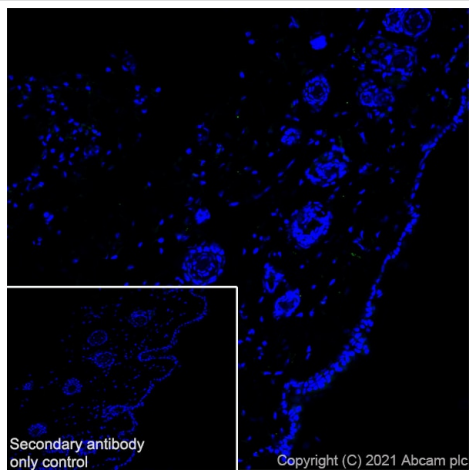


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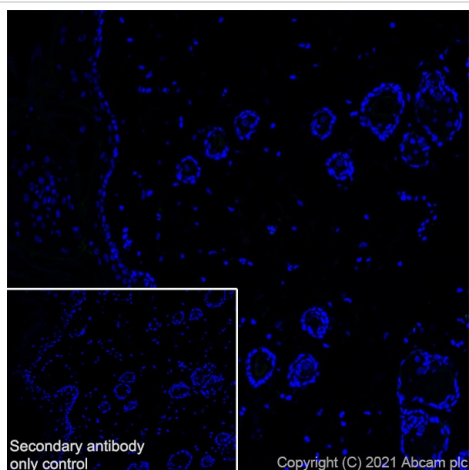
Immunohistochemistry (Frozen sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse skin tissue labeling CGRP-I+CGRP-II with ab283568 at 1/100 (6.39 ug/ml) dilution followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/ml dilution (Green). The nuclear counterstain was DAPI (Blue).

Negative control: No staining on mouse skin is observed.

Secondary antibody control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



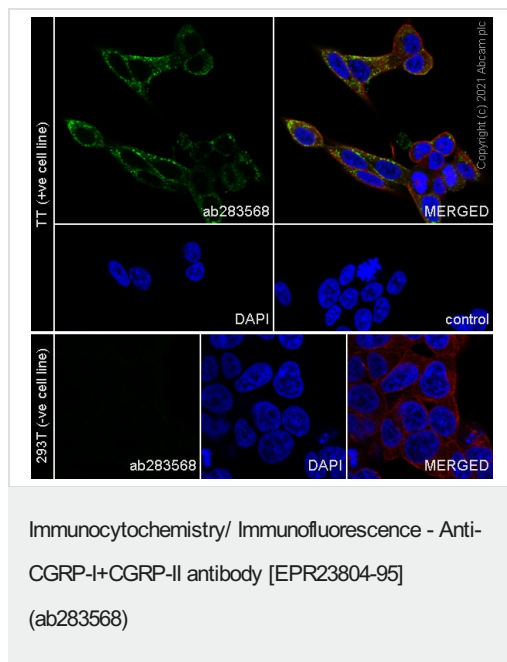
Immunohistochemistry (Frozen sections) - Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat skin tissue labeling CGRP-I+CGRP-II with ab283568 at 1/100 (6.39 ug/ml) dilution followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution (Green). The nuclear counterstain was DAPI (Blue).

Negative control: No staining on rat skin is observed.

Secondary antibody control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.

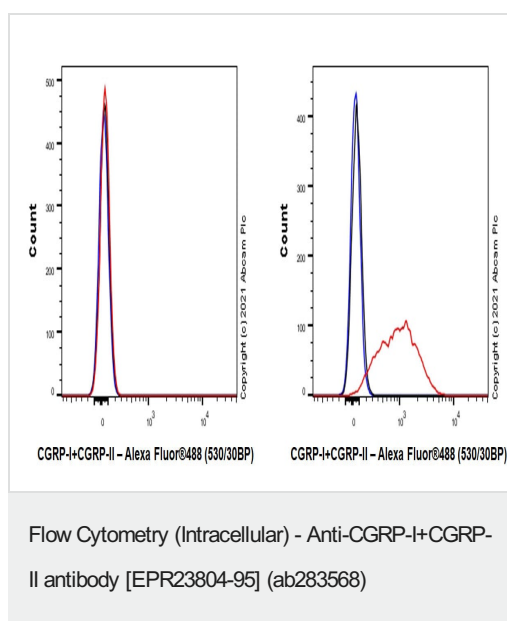
Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized TT cells labelling CGRP-I+CGRP-II with ab283568 at 1/100 (6.39 ug/ml) dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2 ug/ml) dilution (Green). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (2.5ug/ml) dilution (Red). The Nuclear counterstain was DAPI (Blue).

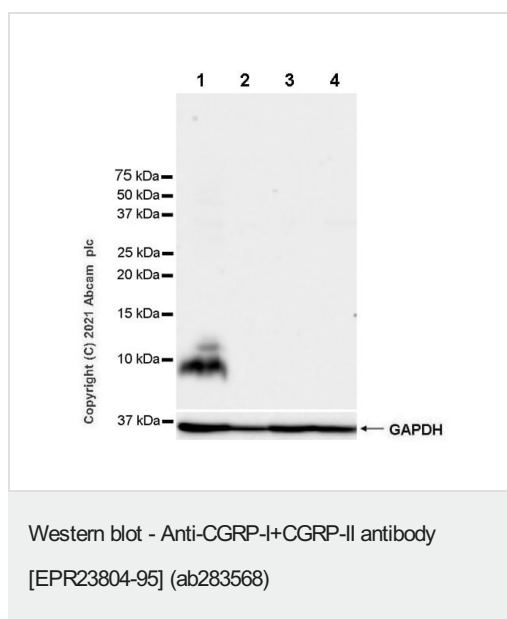
Confocal image showing cytoplasmic staining in TT cell line, and no staining in 293T cell line is observed.

Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.



Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized 293T (Human embryonic kidney epithelial cell) (Left) / TT (Human thyroid carcinoma epithelial cell) (Right) cells labelling CGRP-I+CGRP-II with ab283568 at 1/5000 dilution (0.01ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat F(ab')₂ Anti-Rabbit IgG(DyLight® 488, **ab98507**) at 1/500 dilution was used as the secondary antibody.

Negative control: 293T.



All lanes : Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568) at 1/1000 dilution

Lane 1 : TT (human thyroid carcinoma epithelial cell), whole cell lysate

Lane 2 : 293T (human embryonic kidney epithelial cell), whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Lane 4 : Daudi (human Burkitt's lymphoma lymphoblast), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

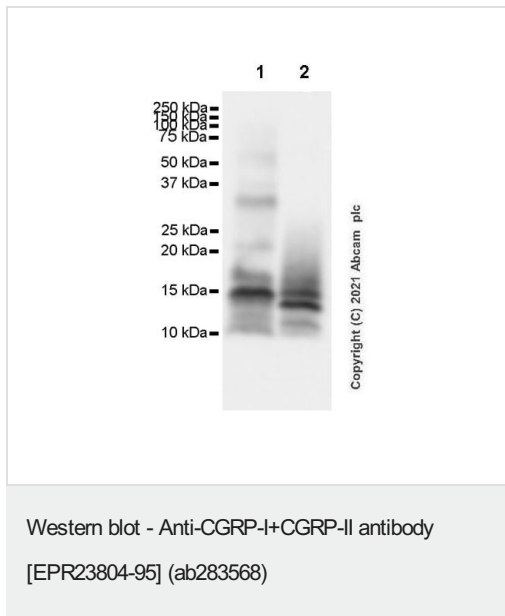
Observed band size: 10 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Fresh lysate of TT cell line was used in this blot.

Negative control: 293T, Hela, Daudi (HPA database)

Exposure time: 26 seconds



All lanes : Anti-CGRP-I+CGRP-II antibody [EPR23804-95] (ab283568) at 1/1000 dilution

Lane 1 : His-tagged mouse CALCB recombinant protein

Lane 2 : Mouse CALCA recombinant protein

Lysates/proteins at 0.01 µg per lane.

Secondary

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

Observed band size: 14 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

This antibody has cross-reaction with mouse CALCB.

The rec proteins CALCB and CLACA were made in-house.

CALCB recombinant protein was made in-house and expressed from the E.coli expression system.

CLACA recombinant protein was expressed from a mammalian - HEK-293 expression system.

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-CGRP-I+CGRP-II antibody [EPR23804-95]
(ab283568)

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