

Anti-GATA3 (phospho S308) antibody [EPR18118] ab186371

重组 RabMAb

★★★★★ **1 Abreviews** **1 References** **10 图像**

概述

产品名称	Anti-GATA3 (phospho S308)抗体[EPR18118]
描述	兔单克隆抗体[EPR18118] to GATA3 (phospho S308)
宿主	Rabbit
特异性	The immunogen sequence for this antibody is identical to the sequence around S340 of GATA2 (UniProt P23769); however the phosphorylation of GATA2 on S340 has not been reported.
经测试应用	适用于: WB, IHC-P, Dot blot, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat whole cell lysate and EL4 cell lysate treated with 1mM 8-Bromo-cAMP for 6 hours. IHC-P: Human placenta tissue and Human transitional cell carcinoma tissues; Mouse and rat stomach tissue. IP: Jurkat whole cell lysate treated with 1mM 8-Bromo-cAMP for 6 hours.
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 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EPR18118

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab186371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		1/10000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P	★★★★★ (1)	1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Dot blot		1/1000.
IP		1/70.

靶标

功能Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'.

组织特异性T-cells and endothelial cells.

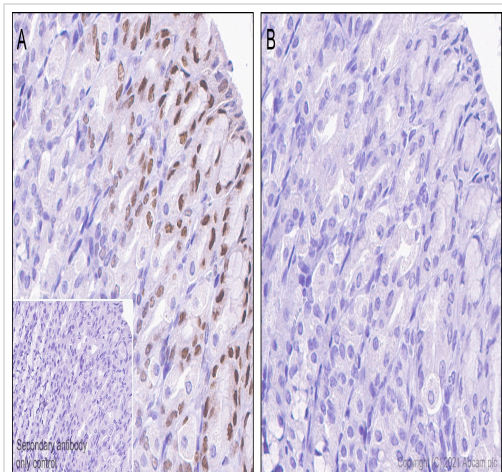
疾病相关Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.

序列相似性Contains 2 GATA-type zinc fingers.

细胞定位Nucleus.

形式There are 2 isoforms produced by alternative splicing.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

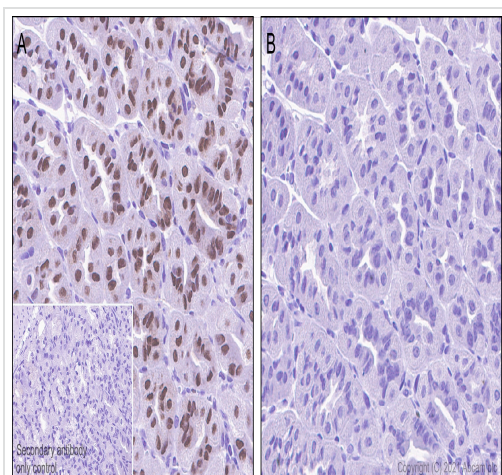
Immunohistochemical analysis of paraffin-embedded Rat stomach tissue labeling GATA3 (phospho S308) with ab186371 at 1/50 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**)

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Nuclear staining on rat stomach without Lambda Protein Phosphatase treatment (image A). No signal was detected when tissues were treated with Lambda Protein Phosphatase treatment (image B).

The section was incubated with ab186371 for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

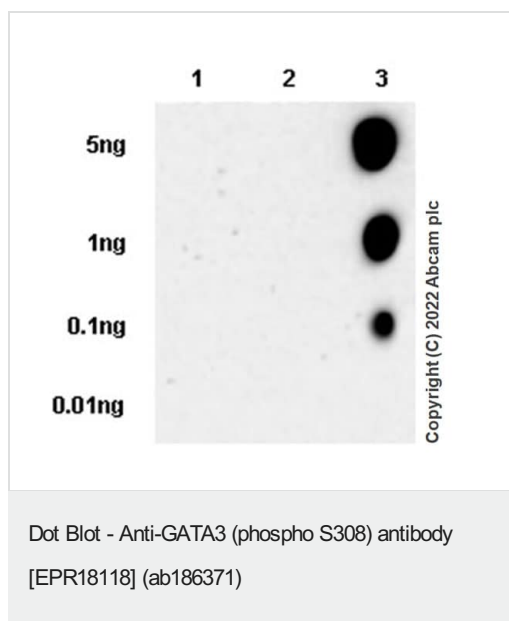
Immunohistochemical analysis of paraffin-embedded Mouse stomach tissue labeling GATA3 (phospho S308) with ab186371 at 1/50 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**)

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Nuclear staining on mouse stomach without Lambda Protein Phosphatase treatment (image A). No signal was detected when tissues were treated with Lambda Protein Phosphatase treatment (image B).

The section was incubated with ab186371 for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Dot blot analysis of GATA3 (phospho S308) using ab186371 at 1:1000 (1.121 µg/ml) followed by a Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody ([ab97051](#)) at 1:100000 dilution.

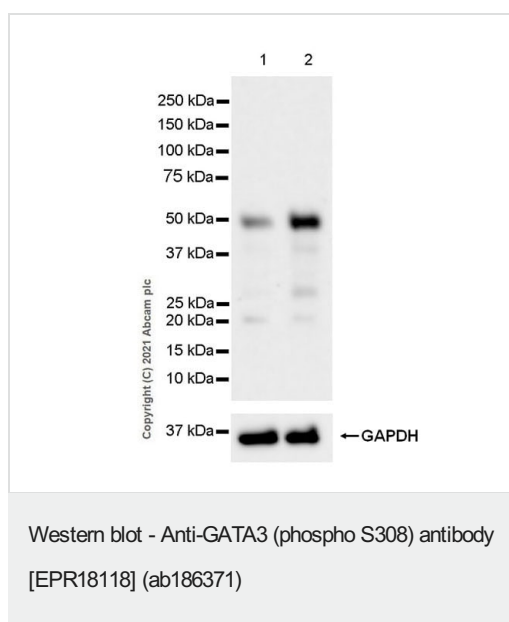
Lane 1: Human GATA3 (phospho Ser316) peptide

Lane 2: Human GATA3 (phospho Thr315) peptide

Lane 3: Human GATA3 (phospho Ser308) peptide

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

Exposure time: 180 seconds



All lanes : Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371) at 1/1000 dilution

Lane 1 : Untreated EL4 (mouse lymphoma T lymphocyte) whole cell lysate

Lane 2 : EL4 treated with 0.5 mM 8-Bromo-cAMP for 6 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

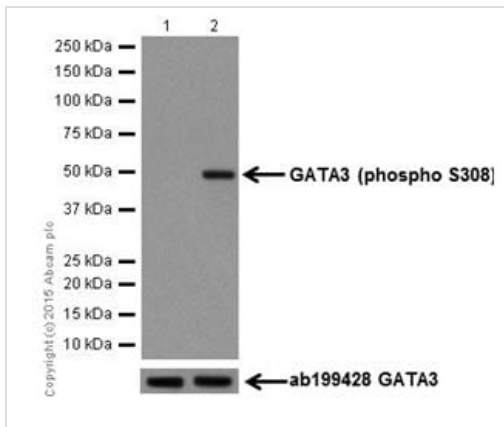
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 48 kDa

Observed band size: 48 kDa

Exposure time: 70 seconds

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



Western blot - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

All lanes : Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371) at 1/10000 dilution

Lane 1 : Untreated Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysates

Lane 2 : Jurkat whole cell lysates treated with 1mM 8-Bromo-cAMP for 6 hours

Lysates/proteins at 10 µg per lane.

Secondary

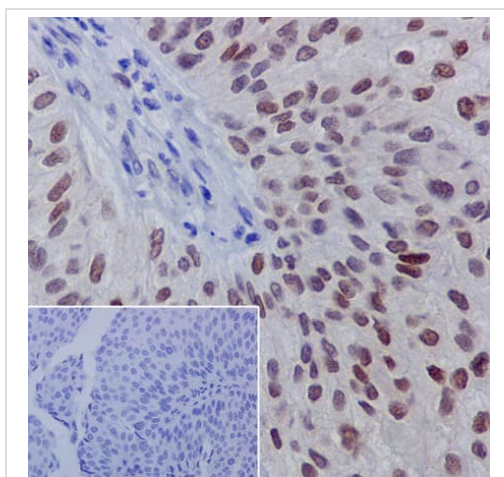
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa

Observed band size: 48 kDa

Exposure time: 15 seconds

Blocking/dilution buffer: 5% NFDm/TBST.

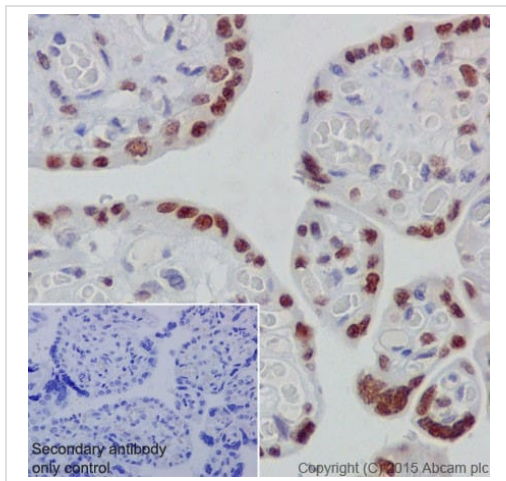


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma tissue labeling GATA3 (phospho S308) with ab186371 at 1/100 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on tumor cells of Human transitional cell carcinoma of bladder is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

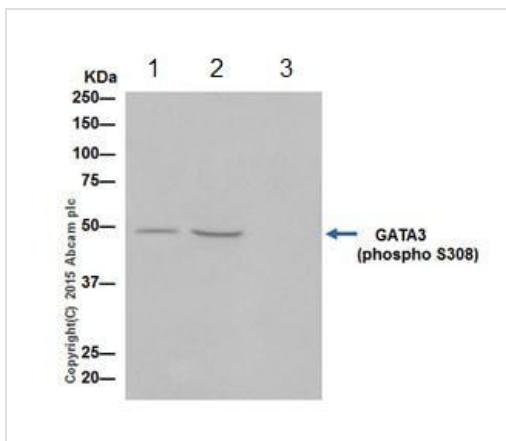


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

Immunohistochemical analysis of paraffin-embedded Human placenta tissue labeling GATA3 (phospho S308) with ab186371 at 1/100 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on trophoblast cells of Human placenta is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-GATA3 (phospho S308) antibody [EPR18118] (ab186371)

GATA3 (phospho S308) was immunoprecipitated from 1mg of Jurkat (Human T cell leukemia cells from peripheral blood) cells treated with 1mM 8-Bromo-cAMP for 6 hours with ab186371 at 1/70 dilution. Western blot was performed from the immunoprecipitate using ab186371 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used for detection at 1/1500 dilution.

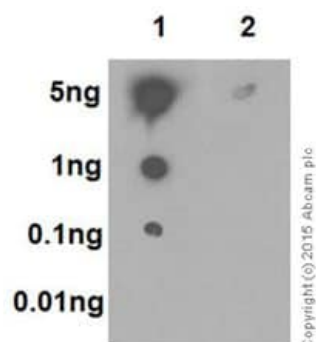
Lane 1: Jurkat whole cell lysate treated with 1mM 8-Bromo-cAMP for 6 hours, 10 µg (Input).

Lane 2: ab186371 IP in Jurkat whole cell lysate treated with 1mM 8-Bromo-cAMP for 6 hours.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab186371 in Jurkat whole cell lysate treated with 1mM 8-Bromo-cAMP for 6 hours.

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

Exposure time: 10 seconds.



Dot Blot - Anti-GATA3 (phospho S308) antibody
[EPR18118] (ab186371)

Dot blot analysis of GATA3 (phospho S308) peptide (Lane 1) and non-phospho peptide (Lane 2) labeled using ab186371 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary antibody at 1/1000 dilution.

Blocking/Dilution buffer: 5% NFDM/TBST..

Exposure time: 3 minutes.

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-GATA3 (phospho S308) antibody [EPR18118]
(ab186371)

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