

Anti-BTK antibody [EPR20445] ab208937

重组 RabMAb

6 References 10 图像

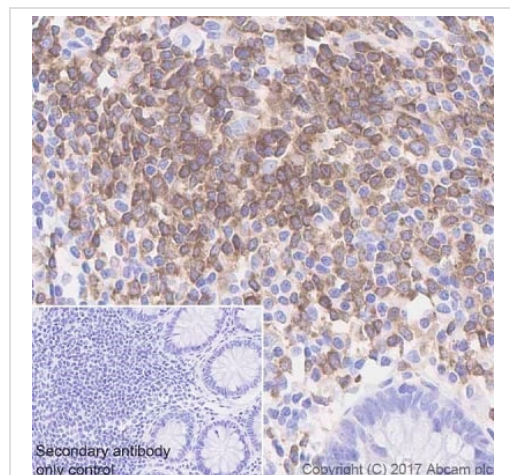
概述

产品名称	Anti-BTK抗体[EPR20445]
描述	兔单克隆抗体[EPR20445] to BTK
宿主	Rabbit
特异性	This antibody does not react with mouse and rat species in Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) application.
经测试应用	适用于: Flow Cyt (Intra), IHC-P, WB, ICC/IF, 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: Ramos, NAMALWA, THP-1, RAW 264.7 and NR8383 whole cell lysates; Human lymph node lysate. IHC-P: Human tonsil and colon tissues. ICC/IF: Ramos cells. Flow Cyt (intra): Ramos cells. IP: Ramos whole cell lysate.
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: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

图片

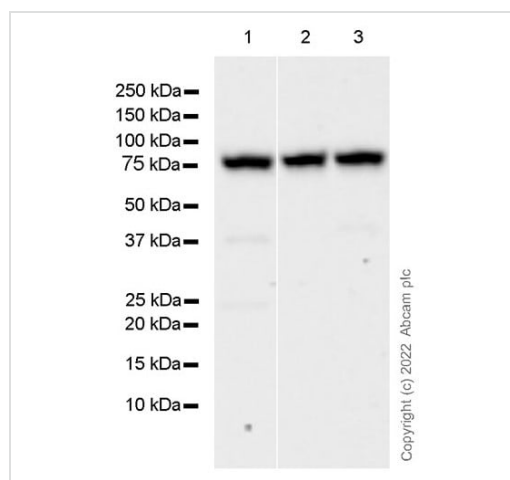


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BTK antibody [EPR20445] (ab208937)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling BTK with ab208937 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Strong cytoplasmic staining on lymphoid nodule in human colon (PMID: 25433814). Counter stained with hematoxylin.

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

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



Western blot - Anti-BTK antibody [EPR20445] (ab208937)

All lanes : Anti-BTK antibody [EPR20445] (ab208937) at 1/1000 dilution

Lane 1 : THP-1 (human monocytic leukemia cell) whole cell lysate

Lane 2 : RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 3 : NR8383 (rat lung macrophage (alveolar)) 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: 76 kDa

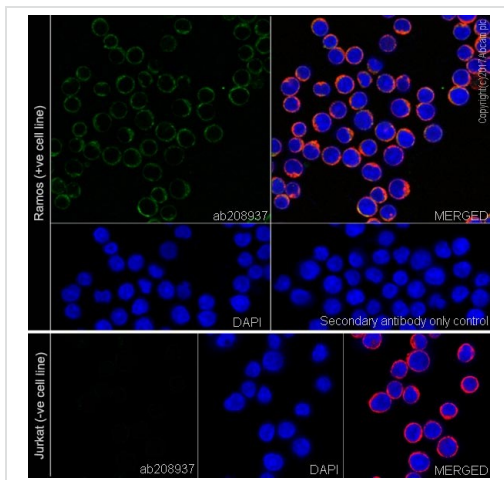
Observed band size: 76 kDa

Exposure time: 37 seconds

Blocking buffer and concentration: 5% NFDm/TBST

Diluting buffer and concentration: 5% NFDm/TBST

Lysates were freshly made and used for Western blotting immediately to minimize protein degradation.



Immunocytochemistry/ Immunofluorescence - Anti-BTK antibody [EPR20445] (ab208937)

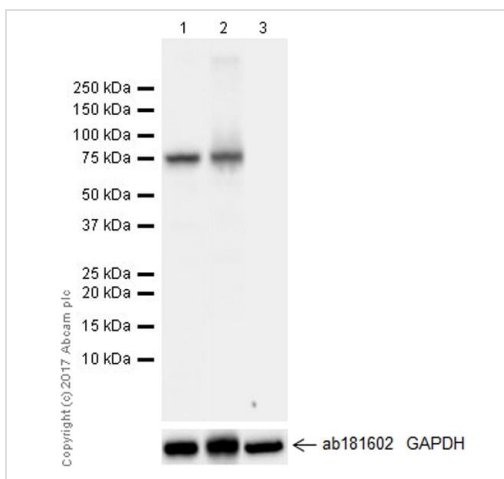
Immunofluorescent analysis of 100% methanol-fixed Ramos (human Burkitt's lymphoma cell line) and Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling BTK with ab208937 at 1/100 dilution followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Confocal image showing cytoplasmic staining on Ramos cell line.

Negative control: Jurkat cell line (PMID: 24759210).

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.



Western blot - Anti-BTK antibody [EPR20445] (ab208937)

All lanes : Anti-BTK antibody [EPR20445] (ab208937) at 1/1000 dilution

Lane 1 : Ramos (human Burkitt's lymphoma cell line) whole cell lysate

Lane 2 : NAMALWA (human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 3 : Jurkat (human T cell leukemia cell line from peripheral blood) 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

Developed using the ECL technique.

Predicted band size: 76 kDa

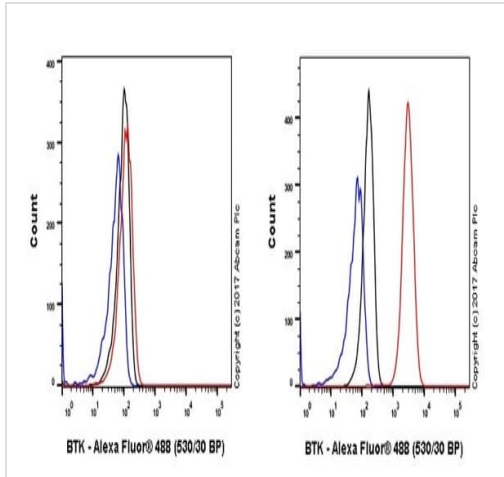
Observed band size: 76 kDa

Exposure time: 32 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

The Jurkat T cell line is negative for BTK (PMID 24759210).

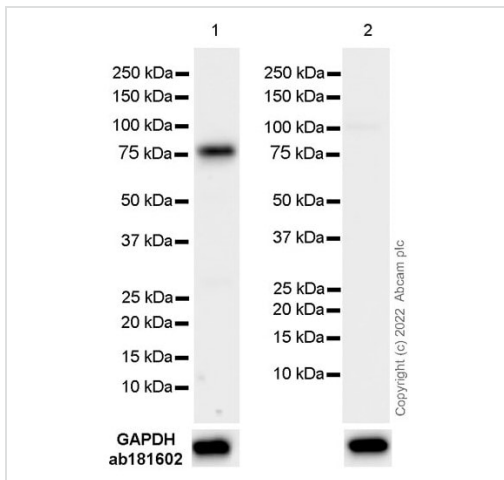
This image is performed on a BIO-RAD® ChemiDoc™ MP instrument.



Flow Cytometry (Intracellular) - Anti-BTK antibody [EPR20445] (ab208937)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) (left panel) and Ramos (human Burkitt's lymphoma cell line) (right panel) cell lines labeling BTK with ab208937 at 1/600 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control ([ab172730](#)) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody.

Negative control: Jurkat cell line (PMID: 24759210).



Western blot - Anti-BTK antibody [EPR20445] (ab208937)

All lanes : Anti-BTK antibody [EPR20445] (ab208937) at 1/1000 dilution

Lane 1 : RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 2 : NIH/3T3 (mouse embryonic fibroblast) 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: 76 kDa

Observed band size: 76 kDa

Exposure time: 15 seconds

Blocking buffer and concentration: 5% NFD/MBST

Diluting buffer and concentration: 5% NFD/MBST

Lysates were freshly made and used for Western blotting

immediately to minimize protein degradation.

Anti-BTK antibody [EPR20445] (ab208937) at 1/1000 dilution +
Human lymph node lysate at 10 µg

Secondary

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

Developed using the ECL technique.

Predicted band size: 76 kDa

Observed band size: 76 kDa

Exposure time: 3 minutes

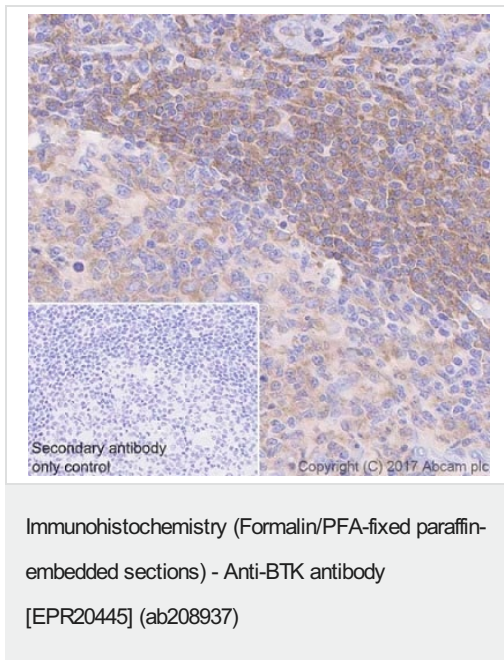
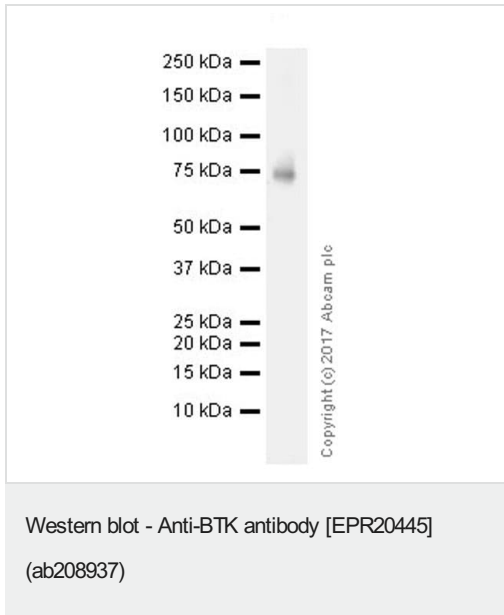
Blocking/Dilution buffer: 5% NFD/MTBST.

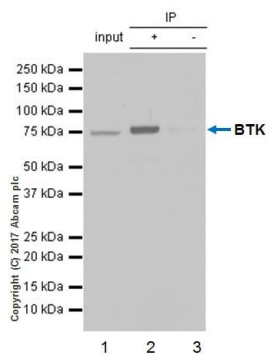
This image is performed on a BIO-RAD® ChemiDoc™ MP instrument.

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling BTK with ab208937 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Strong cytoplasmic staining in mantle zone and weaker cytoplasmic staining in the germinal center of human tonsil (PMID: 25433814). Counter stained with hematoxylin.

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

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





Immunoprecipitation - Anti-BTK antibody
[EPR20445] (ab208937)

BTK was immunoprecipitated from 0.35 mg of Ramos (human Burkitt's lymphoma cell line) whole cell lysate with ab208937 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab208937 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: Ramos whole cell lysate 10 µg (Input).

Lane 2: ab208937 IP in Ramos whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab208937 in Ramos whole cell lysate.

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

Exposure time: 3 seconds.

Why choose a recombinant antibody?



Research with confidence
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Animal-free production

Anti-BTK antibody [EPR20445] (ab208937)

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