


Anti-BTK (phospho Y223) antibody [EP420Y] ab68217

重组 RabMAb

★★★★★ **1 Abreviews** **19 References** **5 图像**

概述

产品名称	Anti-BTK (phospho Y223)抗体[EP420Y]
描述	兔单克隆抗体[EP420Y] to BTK (phospho Y223)
宿主	Rabbit
经测试应用	适用于: WB, IP, Dot blot 不适用于: ICC/IF or IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab214589)
阳性对照	WB: K562 and Ramos cell lysates treated with pervanadate. IP: Ramos cell lysates treated with pervanadate. Dot Blot: BTK (phospho Y223) phospho peptide.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

同种型 IgG

The Abpromise guarantee **Abpromise™承诺保证使用ab68217于以下的经测试应用**

应用	Ab评论	说明
WB		1/2000 - 1/10000. Detects a band of approximately 76 kDa (predicted molecular weight: 76 kDa).Can be blocked with <u>BTK peptide (ab214589)</u> . For unpurified, use 1/10000 - 1/50000.
IP		1/20. For unpurified, use 1/40.
Dot blot		Use at an assay dependent concentration.

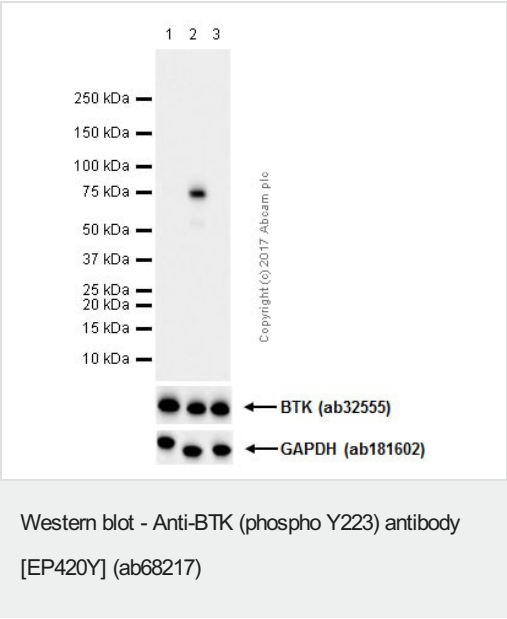
靶标

疾病相关

Defects in BTK are the cause of X-linked agammaglobulinemia (XLA) [MIM:300755]; also known as X-linked agammaglobulinemia type 1 (AGMX1) or immunodeficiency type 1 (IMD1). XLA is a humoral immunodeficiency disease which results in developmental defects in the maturation pathway of B-cells. Affected boys have normal levels of pre-B-cells in their bone marrow but virtually no circulating mature B-lymphocytes. This results in a lack of immunoglobulins of all classes and leads to recurrent bacterial infections like otitis, conjunctivitis, dermatitis, sinusitis in the first few years of life, or even some patients present overwhelming sepsis or meningitis, resulting in death in a few hours. Treatment in most cases is by infusion of intravenous immunoglobulin.

序列相似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.</p> <p>Contains 1 Btk-type zinc finger.</p> <p>Contains 1 PH domain.</p> <p>Contains 1 protein kinase domain.</p> <p>Contains 1 SH2 domain.</p> <p>Contains 1 SH3 domain.</p>
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细胞定位 Cytoplasm. Membrane. Nucleus.



All lanes : Anti-BTK (phospho Y223) antibody [EP420Y] (ab68217) at 1/1000 dilution

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

Lane 2 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate

Lane 3 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

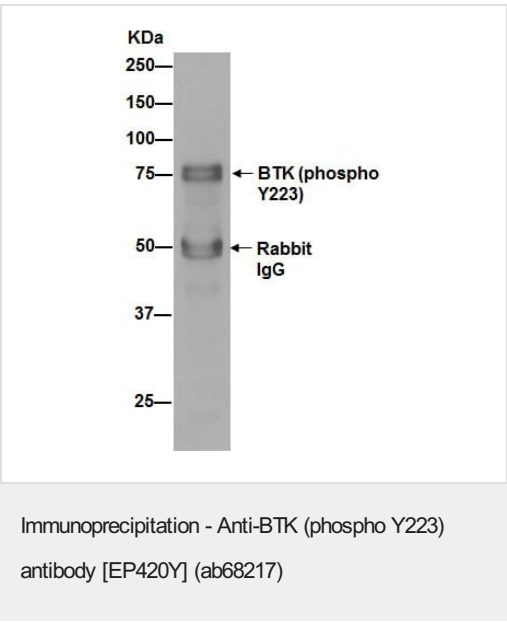
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 76 kDa

Observed band size: 76 kDa

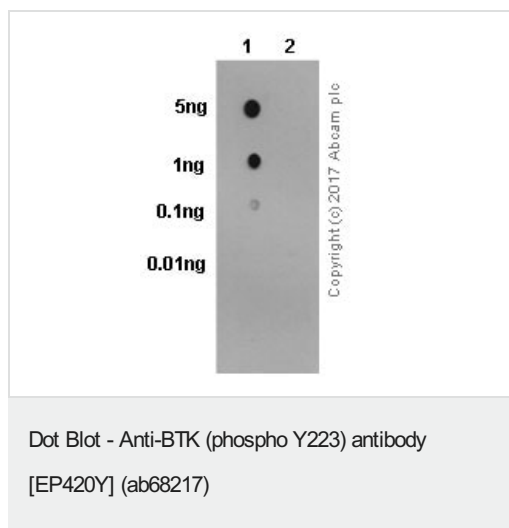
Blocking and dilution buffer: 5% NFDM/TBST.



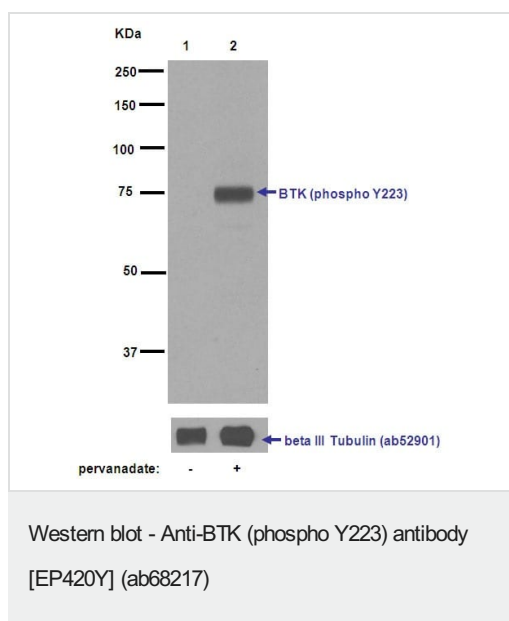
ab68217 (purified) at 1/50 immunoprecipitating BTK (phospho Y223) in Ramos cells (Lane 1) treated with 1 mM Pervanadate for 30 min. For western blotting, a HRP-conjugated anti-rabbit IgG (H+L) was used as the secondary antibody (1/1000).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Dot blot analysis of BTK (phospho Y223) phospho peptide (Lane 1) and BTK phospho peptide (Lane 2) labeling BTK (phospho Y223) with ab68217 at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) was used as the secondary antibody at a dilution of 1/20,000. Blocking buffer: 5% NFDM/TBST. Dilution buffer: 5% NFDM /TBST.



All lanes : Anti-BTK (phospho Y223) antibody [EP420Y] (ab68217) at 1/10000 dilution (purified)

Lane 1 : Untreated K562 cell lysate

Lane 2 : K562 cells treated with pervanadate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 76 kDa

Observed band size: 76 kDa

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-BTK (phospho Y223) antibody [EP420Y] (ab68217)

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