

### Anti-Rel B antibody [EP613Y] ab33917

**重组** RabMAb

**5 References**   **5 图像**

#### 概述

产品名称	Anti-Rel B抗体[EP613Y]
描述	兔单克隆抗体[EP613Y] to Rel B
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB, IHC-P, IP
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide within Human Rel B aa 1-100 (N terminal). The exact sequence is proprietary.
阳性对照	WB: Raji and Daudi cell lysates. IHC-P: Human lymphoma tissue. Flow Cyt (intra): Daudi cells. IP: Raji cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 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	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EP613Y
同种型	IgG

应用

The Abpromise guarantee      Abpromise™承诺保证使用ab33917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
Flow Cyt (Intra)		1/2000.
WB		1/500. Detects a band of approximately 70 kDa (predicted molecular weight: 62 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/50.

靶标

**功能**

NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFkB1/p105, NFkB1/p50, REL and NFkB2/p52. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric RelB-p50 and RelB-p52 complexes are transcriptional activators. RELB neither associates with DNA nor with RELA/p65 or REL. Stimulates promoter activity in the presence of NFkB2/p49.

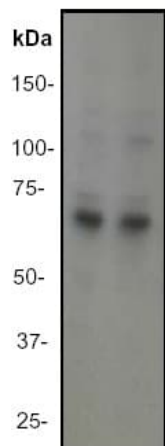
**序列相似性**      Contains 1 RHD (Rel-like) domain.

**结构域**      Both N- and C-terminal domains are required for transcriptional activation.

**翻译后修饰**      Phosphorylation at 'Thr-103' and 'Ser-573' is followed by proteasomal degradation.

**细胞定位**      Nucleus. Cytoplasm > cytoskeleton > centrosome. Co-localizes with NEK6 in the centrosome.

图片



Western blot - Anti-Rel B antibody [EP613Y]  
(ab33917)

**All lanes** : Anti-Rel B antibody [EP613Y] (ab33917) at 1/500 dilution

**Lane 1** : Raji cell lysate

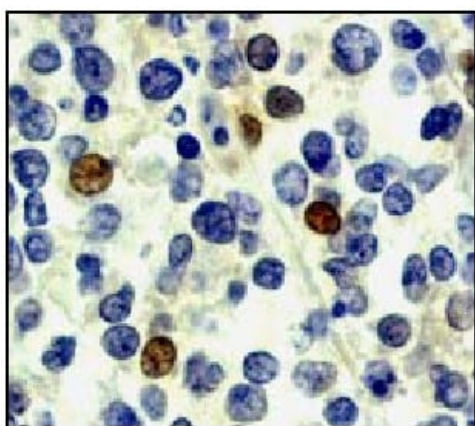
**Lane 2** : Daudi cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat anti-rabbit HRP labeled.

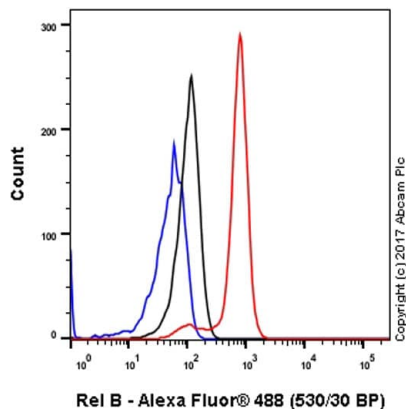
**Predicted band size:** 62 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rel B antibody [EP613Y]  
(ab33917)

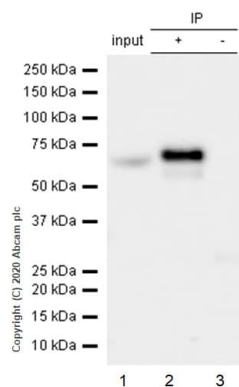
Immunohistochemical analysis of paraffin-embedded human lymphoma using ab33917

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Rel B antibody  
[EP613Y] (ab33917)

Intracellular Flow Cytometry analysis of Daudi (Human Burkitt's lymphoma lymphoblast) cells labeling Rel B (red) with ab33917 at a 1/2000 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) ([ab172730](#)). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-Rel B antibody [EP613Y]  
(ab33917)

Purified ab33917 at 1/50 dilution (2µg) immunoprecipitating Rel B in Raji whole cell lysate.

Lane 1 (input): Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate 10µg

Lane 2 (+): ab33917 + Raji whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab33917 in Raji whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 62 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-Rel B antibody [EP613Y] (ab33917)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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