

Anti-Ikaros antibody [EPR13791] - C-terminal ab190691

重组 RabMAb

6 图像

概述

产品名称	Anti-Ikaros抗体[EPR13791] - C-terminal
描述	兔单克隆抗体[EPR13791] to Ikaros - C-terminal
宿主	Rabbit
特异性	Based on the sequence analysis, ab190691 recognizes seven isoforms with the predicted MWs of 58KDa, 48KDa, 48KDa, 43KDa, 41KDa, 32KDa and 53KDa, respectively. This product is not suitable for Mouse in WB, ICC/IF or IP.
经测试应用	适用于: IP, Flow Cyt (Intra), ICC/IF, WB 不适用于: ChIP
种属反应性	与反应: Human 不与反应: Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: Jurkat cells. Flow Cyt (intra): Jurkat cells. WB: Jurkat , Raji and Ramos and Daudi cell lysates.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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

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。

应用说明 Is unsuitable for ChIP.

靶标

2

Hyperphosphorylated during G2/M phase. Dephosphorylated state during late G(1) phase. Phosphorylation on Thr-140 is required for DNA and pericentromeric location during mitosis. CK2 is the main kinase, in vitro. GSK3 and CDK may also contribute to phosphorylation of the C-terminal serine and threonine residues. Phosphorylation on these C-terminal residues reduces the DNA-binding ability. Phosphorylation/dephosphorylation events on Ser-13 and Ser-295 regulate TDT expression during thymocyte differentiation. Dephosphorylation by protein phosphatase 1 regulates stability and pericentromeric heterochromatin location. Phosphorylated in both lymphoid and non-lymphoid tissues (By similarity). Phosphorylation at Ser-361 and Ser-364 downstream of SYK induces nuclear translocation.

Sumoylated. Simultaneous sumoylation on the 2 sites results in a loss of both HDAC-dependent and HDAC-independent repression. Has no effect on pericentromeric heterochromatin location. Desumoylated by SENP1.

Polyubiquitinated.

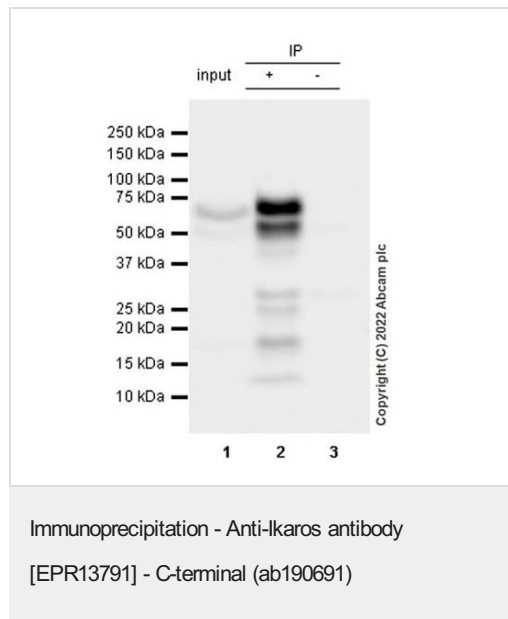
细胞定位

Cytoplasm; Nucleus. In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events and Nucleus. In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events (By similarity).

形式

There are 7 isoforms produced by alternative splicing.

图片



50-70 kDa Ikaros was immunoprecipitated from 0.35mg Ramos (human Burkitt's lymphoma B lymphocyte) whole cell lysate with ab190691 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab190691 at 1/1000 dilution (0.71 µg/ml). VeriBlot for IP secondary antibody (HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1 (Input): Ramos (human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 µg.

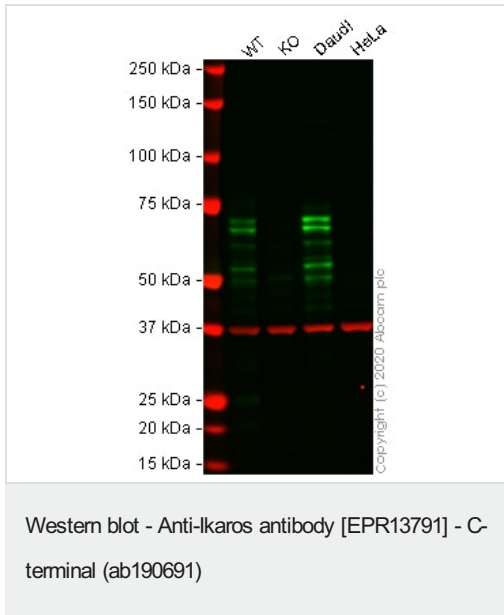
Lane 2 (+): Ramos whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab190691 in Ramos whole cell lysate.

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Exposure time: 15 seconds.



All lanes : Anti-Ikaros antibody [EPR13791] - C-terminal (ab190691) at 1/1000 dilution

Lane 1 : Wild-type Jurkat cell lysate

Lane 2 : IKZF1 knockout Jurkat cell lysate

Lane 3 : Daudi cell lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

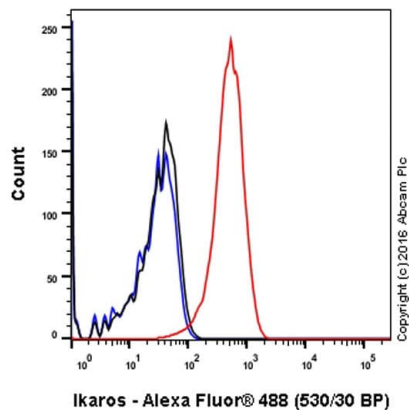
Performed under reducing conditions.

Predicted band size: 58 kDa

Observed band size: 50-70 kDa

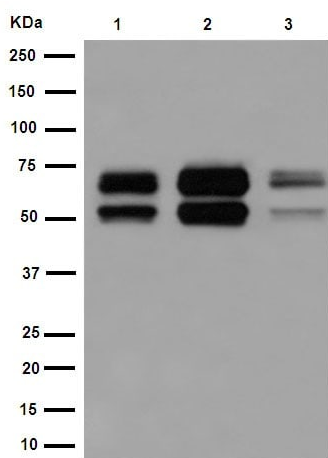
Lanes 1 - 4: Merged signal (red and green). Green - ab190691 observed at 50-70 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

ab190691 was shown to react with Ikaros in wild-type Jurkat cells in western blot with loss of signal observed in IKZF1 knockout sample. Wild-type and IKZF1 knockout Jurkat cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with ab190691 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-Ikaros antibody
[EPR13791] - C-terminal (ab190691)

Intracellular Flow Cytometry analysis of Jurkat (human acute T cell leukemia) labelling Ikaros with purified ab190691 at 1/60 (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Alexa Fluor® 488 goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.



Western blot - Anti-Ikaros antibody [EPR13791] - C-terminal (ab190691)

All lanes : Anti-Ikaros antibody [EPR13791] - C-terminal (ab190691) at 1/10000 dilution

Lane 1 : Raji cell line lysate

Lane 2 : Jurkat cell line lysate

Lane 3 : Ramos cell line lysate

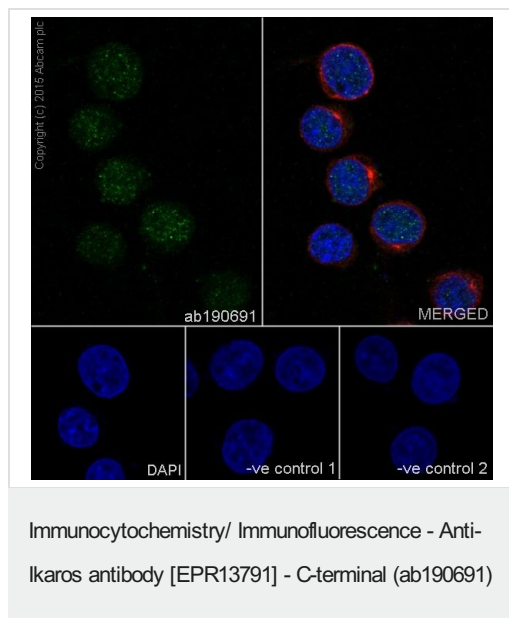
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 58 kDa

Observed band size: 50-70 kDa



Immunofluorescent analysis of 4% paraformaldehyde fixed Jurkat cells labeling Ikaros with ab190691 at 1/250 followed by Goat anti rabbit IgG (Alexa Fluor® 555) at 1/200 and counterstained with DAPI.

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-Ikaros antibody [EPR13791] - C-terminal (ab190691)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors