abcam

Product datasheet

# Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] ab124764

敲除验证 重组 RabMAb

★★★★★ 2 Abreviews 12 References 8 图像

## 概述

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|---|---|
| **产品名称** | Anti-Interferon alpha/beta receptor 1抗体[EPR6244] |
| **描述** | 兔单克隆抗体[EPR6244] to Interferon alpha/beta receptor 1 |
| **宿主** | Rabbit |
| **特异性** | In mouse and rat tissue lysates this product detects a band in the region of 100 kDa, however we believe this band is non-specific and is not interferon receptor alpha as the immunogen for this antibody shares only 55% homology with the mouse and rat protein. In addition this band also migrates at a lower molecular weight than that detected in human samples. |
| **经测试应用** | **适用于:** WB<br>**不适用于:** ICC/IF or IHC-P |
| **种属反应性** | **与反应:** Human |
| **免疫原** | Synthetic peptide within Human Interferon alpha/beta receptor 1 aa 100-200. The exact sequence is proprietary.<br>Database link: **P17181** |
| **阳性对照** | HeLa, HeLa treated with IFN-alpha, K562 and U937 cell lysates. |
| **常规说明** | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br>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

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| **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. Stable for 12 months at -20°C. |

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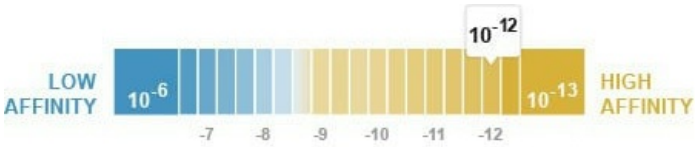
| **解离常数($K_D$)** | $K_D$ = 2.40 x 10 $^{-12}$ M |




Learn more about $K_D$

| | |
|---|---|
| **存储溶液** | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA, 49% PBS |
| **纯度** | Protein A purified |
| **克隆** | 单克隆 |
| **克隆编号** | EPR6244 |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** Abpromise™承诺保证使用ab124764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。

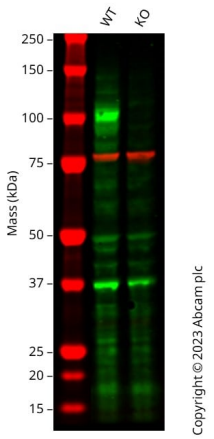
| 应用 | Ab评论 | 说明 |
|---|---|---|
| **WB** | ★★★★★ (1) | 1/1000 - 1/10000. Detects a band of approximately 90-130 kDa (predicted molecular weight: 64 kDa). |

| | |
|---|---|
| **应用说明** | Is unsuitable for ICC/IF or IHC-P. |

## 靶标

| | |
|---|---|
| **功能** | Associates with IFNAR2 to form the type I interferon receptor. Receptor for interferons alpha and beta. Binding to type I IFNs triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and IFNR alpha- and beta-subunits themselves. |
| **组织特异性** | IFN receptors are present in all tissues and even on the surface of most IFN-resistant cells. Isoform 1, isoform 2 and isoform 3 are expressed in the IFN-alpha sensitive myeloma cell line U266S. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R. Isoform 1 is not expressed in IFN-alpha resistant myeloma cell line U266R. |
| **序列相似性** | Belongs to the type II cytokine receptor family.<br>Contains 3 fibronectin type-III domains. |
| **翻译后修饰** | Phosphorylated on tyrosine residues by TYK2 tyrosine kinase. |
| **细胞定位** | Membrane. |

## 图片




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution

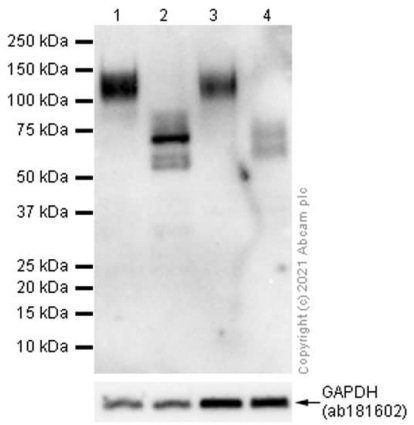
**Lane 1 :** Wild-type HeLa cell lysate
**Lane 2 :** IFNAR1 knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 64 kDa
**Observed band size:** 116 kDa

Western blot: Anti-IFNAR1 antibody [EPR6244] (ab124764) staining at 1/1000 dilution, shown in green; Mouse anti-CANX [CANX/1543] (**ab238078**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab124764 was shown to bind specifically to IFNAR1. A band was observed at 116 kDa in wild-type HeLa cell lysates with no signal observed at this size in IFNAR1 knockout cell line. To generate this image, wild-type and IFNAR1 knockout HeLa cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution

**Lane 1 :** Untreated K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate. with NFDM/TBST
**Lane 2 :** K-562 (Human chronic myelogenous leukemia lymphoblast) treated with PNGase F whole cell lysate. with NFDM/TBST
**Lane 3 :** Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate. with NFDM/TBST
**Lane 4 :** HeLa (Human cervix adenocarcinoma epithelial cell) treated with PNGase F whole cell lysate 15 µg. with NFDM/TBST

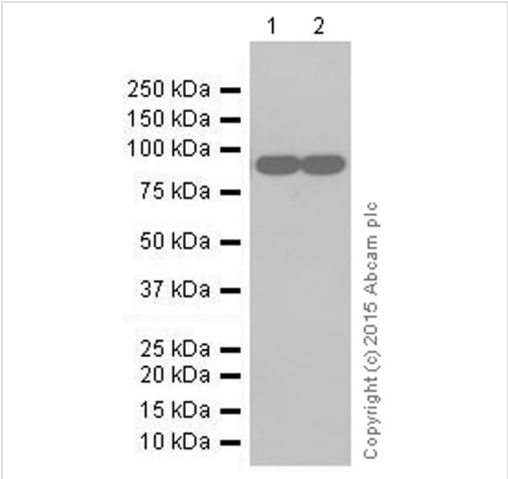
Lysates/proteins at 15 µg per lane.

Blocking peptides at 5 % per lane.

**Secondary**
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated.)

**Predicted band size:** 64 kDa
**Observed band size:** 64.13 kDa

**Exposure time:** 180 seconds




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution (purified)

**Lane 1 :** Mouse brain tissue lysate
**Lane 2 :** Rat brain tissue lysate

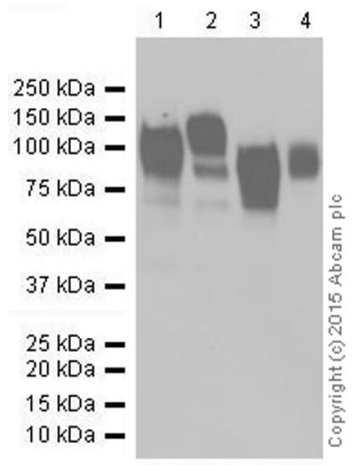
Lysates/proteins at 10 µg per lane.

**Secondary**
**All lanes :** Rabbit monoclonal [EPR6244] to Interferon alpha/beta receptor 1 (ab124764) at 1/1000 dilution

**Predicted band size:** 64 kDa
**Observed band size:** 90 kDa

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

In mouse and rat tissue lysates this product detects a band in the region of 100 kDa, however we believe this band is non-specific and is not interferon receptor alpha as the immunogen for this antibody shares only 55% homology with the mouse and rat protein. In addition this band also migrates at a lower molecular weight than that detected in human samples.




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution (purified)

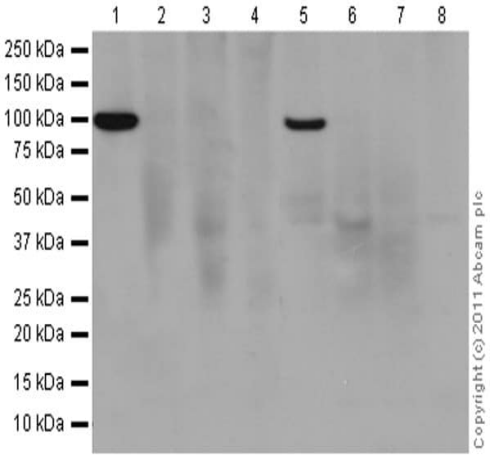
**Lane 1 :** HEK-293 whole cell lysate
**Lane 2 :** HeLa whole cell lysate
**Lane 3 :** LNCaP whole cell lysate
**Lane 4 :** SH-SY5Y whole cell lysate

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:** 64 kDa
**Observed band size:** 90-130 kDa

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




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution (unpurified)

**Lane 1 :** Mouse brain whole tissue lysate
**Lane 2 :** Mouse heart whole tissue lysate
**Lane 3 :** Mouse kidney whole tissue lysate
**Lane 4 :** Mouse spleen whole tissue lysate
**Lane 5 :** Rat brain whole tissue lysate
**Lane 6 :** Rat heart whole cell lysate
**Lane 7 :** Rat kidney whole cell lysate
**Lane 8 :** Rat spleen whole tissue lysate

Lysates/proteins at 10 µg per lane.

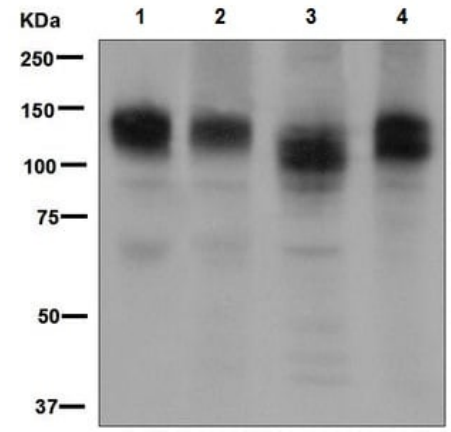
**Secondary**
**All lanes :** Goat anti-rabbit IgG (H+L), peroxidase conjugated at 1/2000 dilution

**Predicted band size:** 64 kDa

**Exposure time:** 3 minutes

Blocking buffer: 5% NFDM/TBST.

In mouse and rat tissue lysates this product detects a band in the region of 100 kDa, however we believe this band is non-specific and is not interferon receptor alpha as the immunogen for this antibody shares only 55% homology with the mouse and rat protein. In addition this band also migrates at a lower molecular weight than that detected in human samples.




Western blot - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

**All lanes :** Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764) at 1/1000 dilution (Unpurified)

**Lane 1 :** HeLa cell lysate

**Lane 2 :** HeLa cell lysate treated with IFN-alpha

**Lane 3 :** K562 cell lysate

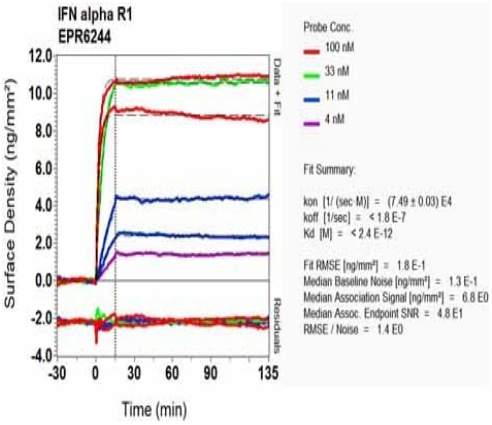
**Lane 4 :** U937 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat anti-Rabbit HRP at 1/200 dilution

**Predicted band size:** 64 kDa




OI-RD Scanning - Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

Equilibrium disassociation constant ($K_D$)

Learn more about $K_D$

**Click here to learn more about $K_D$**


Anti-Interferon alpha/beta receptor 1 antibody [EPR6244] (ab124764)

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

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