

Anti-IL-1RA antibody [EPR6483] - BSA and Azide free ab226101

敲除验证 重组 RabMAb

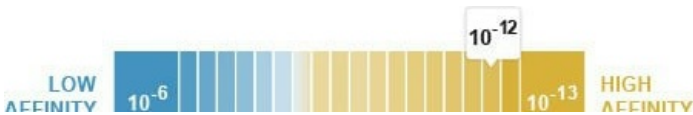
4 图像

概述

产品名称	Anti-IL-1RA抗体[EPR6483] - BSA and Azide free
描述	兔单克隆抗体[EPR6483] to IL-1RA - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: WB 不适用于: IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431 cell lysates.
常规说明	ab226101 is the carrier-free version of <a href="#">ab124962</a> .  Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.  This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.  Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.  This product is compatible with the Maxpar <sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar <sup>®</sup> is a trademark of Fluidigm Canada Inc.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 8.40 x 10 <sup>-12</sup> M





[Learn more about K<sub>D</sub>](#)

存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6483
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab226101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。

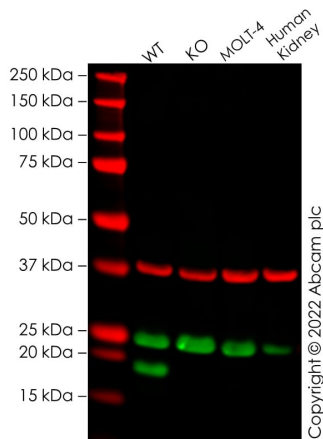
应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 20 kDa (predicted molecular weight: 20 kDa).

应用说明                      Is unsuitable for IHC-P.

## 靶标

功能	Inhibits the activity of interleukin-1 by binding to receptor IL1R1 and preventing its association with the coreceptor IL1RAP for signaling. Has no interleukin-1 like activity. Binds functional interleukin-1 receptor IL1R1 with greater affinity than decoy receptor IL1R2; however, the physiological relevance of the latter association is unsure.
组织特异性	The intracellular form of IL1RN is predominantly expressed in epithelial cells.
疾病相关	Microvascular complications of diabetes 4 Interleukin 1 receptor antagonist deficiency
细胞定位	Cytoplasm and Secreted.

## 图片



Western blot - Anti-IL-1RA antibody [EPR6483] - BSA and Azide free (ab226101)

**All lanes :** Anti-IL-1RA antibody [EPR6483] ([ab124962](#)) at 1/50000 dilution

**Lane 1 :** Wild-type A431 cell lysate

**Lane 2 :** IL1RN knockout A431 cell lysate

**Lane 3 :** MOLT-4 cell lysate

**Lane 4 :** Human Kidney cell lysate

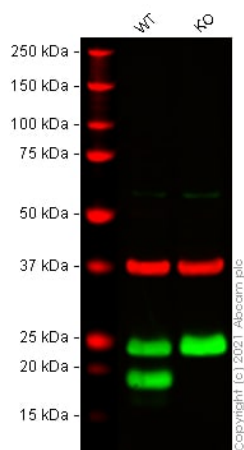
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 20 kDa

**Observed band size:** 18 kDa

False colour image of Western blot: Anti-IL-1RA antibody [EPR6483] staining at 1/50000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab124962](#) was shown to bind specifically to IL-1RA. A band was observed at 18 kDa in wild-type A431 cell lysates with no signal observed at this size in IL1RN knockout cell line [ab273379](#) (knockout cell lysate [ab275530](#)). To generate this image, wild-type and IL1RN knockout A431 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<sup>®</sup> 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-IL-1RA antibody [EPR6483] - BSA and Azide free (ab226101)

**All lanes :** Anti-IL-1RA antibody [EPR6483] ([ab124962](#)) at 1/10000 dilution

**Lane 1 :** Wild-type A431 cell lysate

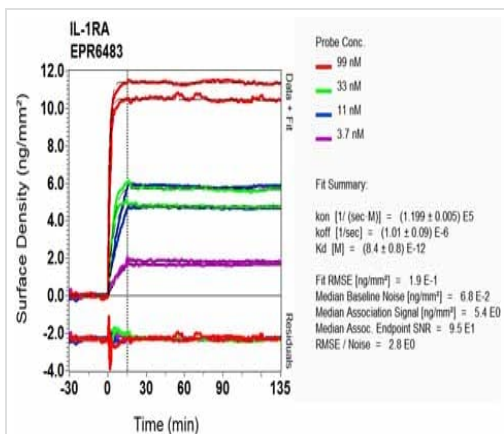
**Lane 2 :** IL-1RA knockout A431 cell lysate

Performed under reducing conditions.

**Predicted band size:** 20 kDa

**Observed band size:** 19 kDa

False colour image of Western blot: Anti-IL-1RA antibody [EPR6483] staining at 1/10000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab124962](#) was shown to bind specifically to IL-1RA. A band was observed at 19 kDa in wild-type A431 cell lysates with no signal observed at this size in IL1RN knockout cell line [ab273379](#) (knockout cell lysate [ab275530](#)). To generate this image, wild-type and IL1RN knockout A431 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 (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



SPR Scanning - Anti-IL-1RA antibody [EPR6483] -  
BSA and Azide free (ab226101)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

**[Click here to learn more about  \$K\_D\$](#)**

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**[ab124962](#)**).

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-IL-1RA antibody [EPR6483] - BSA and Azide  
free (ab226101)

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

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