

### Anti-IRAKM antibody [Y278] ab32394

敲除验证
重组
RabMAb

[2 References](#)
[4 图像](#)

#### 概述

产品名称	Anti-IRAKM抗体[Y278]
描述	兔单克隆抗体[Y278] to IRAKM
宿主	Rabbit
经测试应用	<b>适用于:</b> WB <b>不适用于:</b> Flow Cyt, ICC or ICC/IF
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide within Human IRAKM aa 550 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: <a href="#">Q9Y616</a>
阳性对照	A431 cell lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

#### 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: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Tissue culture supernatant

克隆	单克隆
克隆编号	Y278
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab32394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。

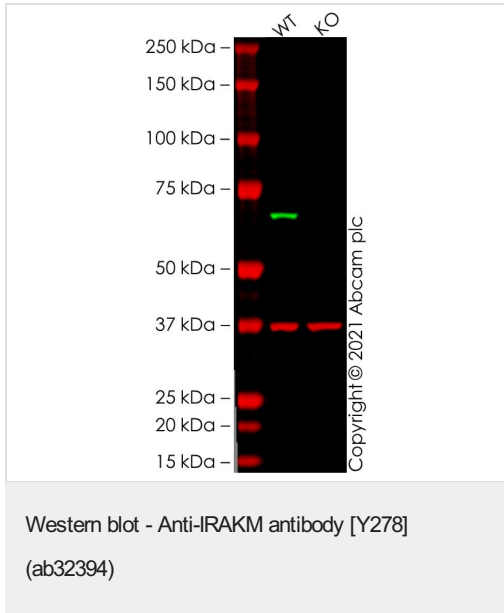
应用	Ab评论	说明
WB		1/20000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

**应用说明** Is unsuitable for Flow Cyt, ICC or ICC/IF.

靶标

<b>功能</b>	Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.
<b>组织特异性</b>	Expressed predominantly in peripheral blood lymphocytes.
<b>疾病相关</b>	Defects in IRAK3 are associated with susceptibility to asthma-related traits type 5 (ASRT5) [MIM:611064]. Asthma-related traits include clinical symptoms of asthma, such as coughing, wheezing, dyspnea, bronchial hyperresponsiveness as assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.
<b>序列相似性</b>	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.

图片



**All lanes :** Anti-IRAKM antibody [Y278] (ab32394) at 1/20000 dilution

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

**Lane 2 :** IRAK3 knockout THP-1 cell lysate

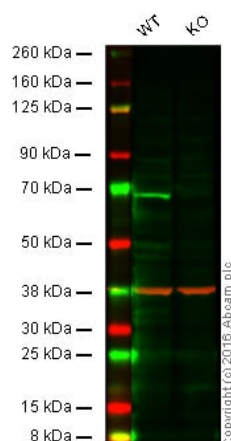
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa

False colour image of Western blot: Anti-IRAKM antibody [Y278] staining at 1/20000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab32394 was shown to bind specifically to IRAKM. A band was observed at 68 kDa in wild-type THP-1 cell lysates with no signal observed at this size in IRAK3 knockout cell line [ab281629](#) (knockout cell lysate [ab282979](#)). To generate this image, wild-type and IRAK3 knockout THP-1 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.



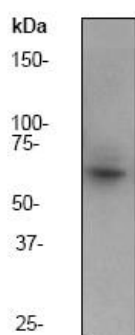
Western blot - Anti-IRAKM antibody [Y278]  
(ab32394)

**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**Lane 2:** IRAKM knockout HAP1 cell lysate (20 µg)

**Lanes 1 - 2:** Merged signal (red and green). Green - ab32394 observed at 69 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab32394 was shown to specifically react with IRAKM when IRAKM knockout samples were used. Wild-type and IRAKM knockout samples were subjected to SDS-PAGE. ab32394 and **ab8245** (loading control to GAPDH) diluted to 1/5000 and 1/10000 respectively were incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-IRAKM antibody [Y278]  
(ab32394)

Anti-IRAKM antibody [Y278] (ab32394) at 1/20000 dilution + A431 cell lysate

**Predicted band size:** 68 kDa

**Observed band size:** 68 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-IRAKM antibody [Y278] (ab32394)

**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