

## Product datasheet

### Anti-IL-1RA antibody ab175392

[3 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-IL-1RA antibody
<b>Description</b>	Rabbit polyclonal to IL-1RA
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB <b>Unsuitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human IL-1RA. Database link: <a href="#">P18510</a>
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab175392 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100.
WB		1/1000. Predicted molecular weight: 20 kDa.

## Application notes

Is unsuitable for IHC-P.

## Target

### Function

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.

### Tissue specificity

The intracellular form of IL1RN is predominantly expressed in epithelial cells.

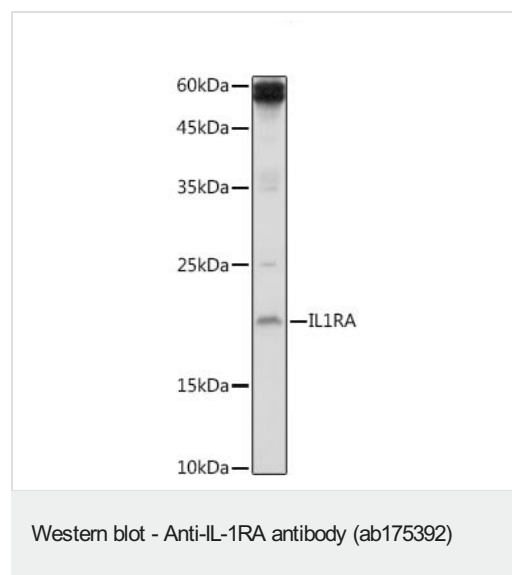
### Involvement in disease

Microvascular complications of diabetes 4  
Interleukin 1 receptor antagonist deficiency

### Cellular localization

Cytoplasm and Secreted.

## Images



Anti-IL-1RA antibody (ab175392) at 1/1000 dilution + A431 cells at 25 µg

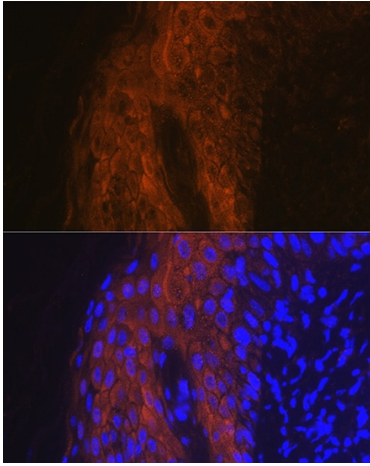
### Secondary

HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

**Predicted band size:** 20 kDa

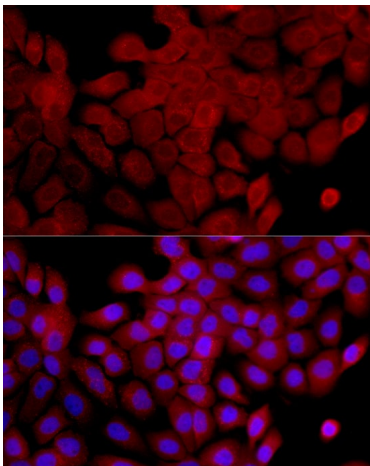
**Exposure time:** 90 seconds

Blocking buffer: 3% nonfat dry milk in TBST



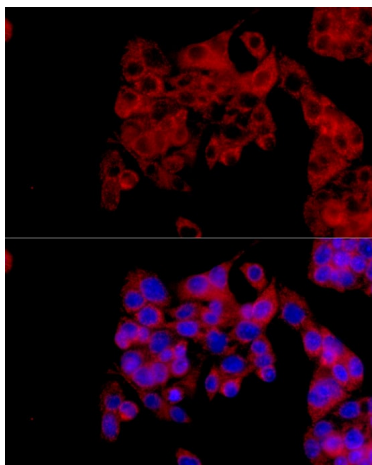
Immunofluorescence analysis of human skin cancer using ab175392 at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-IL-1RA antibody (ab175392)



Immunofluorescence analysis of A431 cells using ab175392 at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-IL-1RA antibody (ab175392)



Immunofluorescence analysis of HepG2 cells using ab175392 at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-IL-1RA antibody (ab175392)

**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

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- 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.com/abpromise> or contact our technical team.

### Terms and conditions

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