




Product datasheet

Anti-IL-1RAcP antibody ab232950

3 Images

Overview

Product name	Anti-IL-1RAcP antibody
Description	Rabbit polyclonal to IL-1RAcP
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Cow, Human Predicted to work with: Rhesus monkey 
Immunogen	Recombinant fragment (His-tag) corresponding to Human IL-1RAcP aa 50-250. (Expressed in E.coli). Database link: Q9NPH3 <div>  Run BLAST with  Run BLAST with </div>
Positive control	IHC-P: Human lung tissue. WB: Cow thymus lysate; Recombinant human IL-1RAcP protein.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	ab232950 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab232950 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
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 65 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Coreceptor with IL1R1. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand-bound IL1R2 and increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Tissue specificity

Detected in liver, skin, placenta, thymus and lung.

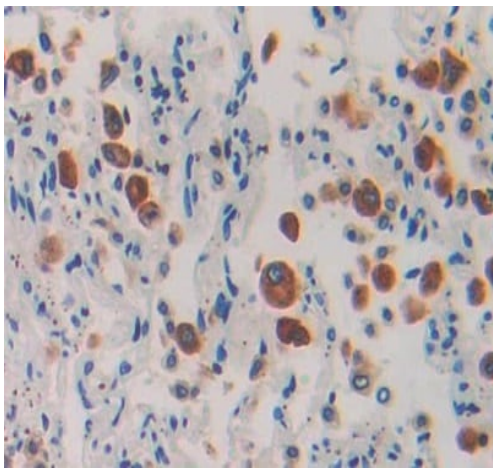
Sequence similarities

Belongs to the interleukin-1 receptor family.
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 TIR domain.

Cellular localization

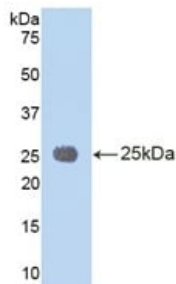
Secreted and Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-1RAcP antibody (ab232950)

Formalin-fixed, paraffin-embedded human lung tissue stained for IL-1RAcP using ab232950 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-IL-1RAcP antibody (ab232950)

Anti-IL-1RAcP antibody (ab232950) at 2 µg/ml + Recombinant human IL-1RAcP protein

Predicted band size: 65 kDa



Western blot - Anti-IL-1RAcP antibody (ab232950)

Anti-IL-1RAcP antibody (ab232950) at 2 µg/ml + Cow thymus tissue lysate.

Predicted band size: 65 kDa

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

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