

### Anti-IL-1 alpha antibody ab9614

★★★★★ [3 Abreviews](#) [19 References](#) [3 图像](#)

#### 概述

产品名称	Anti-IL-1 alpha抗体
描述	兔多克隆抗体to IL-1 alpha
宿主	Rabbit
经测试应用	适用于: ICC/IF, Sandwich ELISA, WB, Neutralising, IHC-P, ELISA
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to Human IL-1 alpha. Highly pure (>98%) recombinant hIL-1a (human Interleukin-1-alpha). Database link: <a href="#">P01583</a>
阳性对照	IHC-P: Human liver tissue; Recombinant human IL-1 alpha protein ( <a href="#">ab9615</a> ) can be used as a positive control in WB.
常规说明	<p>This product is no longer batch tested in IHC, for an IHC validated antibody please see <a href="#">ab7632</a></p> <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>

#### 性能

形式	Lyophilized:Reconstitute with 200µl of sterile water. The reconstituted antibody is stable for at least 2 weeks at 2-8C and at least 6 months at -20C
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	No preservative, sterile filtered
纯度	Immunogen affinity purified
克隆	多克隆
同种型	unknown
轻链类型	unknown

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab9614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
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. To detect IL-1 alpha by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with <b>ab271226</b> as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant IL-1 alpha.
WB	★★★★★ (1)	Use at an assay dependent concentration. To detect hIL-1a by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-1a is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hIL-1a (20 ng/ml), a concentration of 1.0 - 2.0 µg/ml of this antibody is required.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ELISA		Use at an assay dependent concentration. To detect hIL-1a by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-1a.

## 靶标

### 功能

Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

### 序列相似性

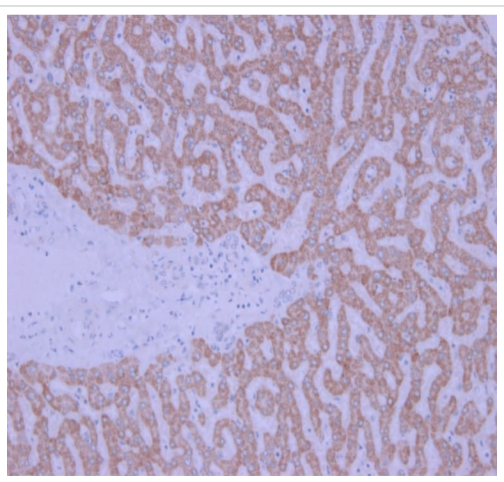
Belongs to the IL-1 family.

### 结构域

The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.

### 细胞定位

Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.

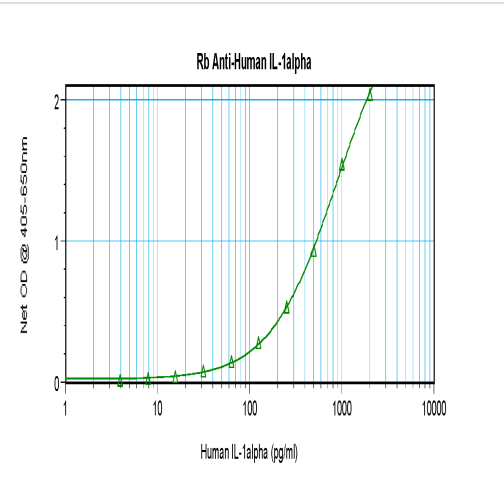


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-1 alpha antibody (ab9614)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling IL-1 alpha with ab9614 at 1 µg/mL (45 minute incubation at room temperature). Heat mediated antigen retrieval was performed using a buffer at pH 6. An HRP-labeled polymer detection system was used with a DAB chromogen.



Western blot - Anti-IL-1 alpha antibody (ab9614)



Sandwich ELISA - Anti-IL-1 alpha antibody (ab9614)

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

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