


### Anti-IL-21 antibody ab5978

★★★★★ [2 Abreviews](#) [9 References](#) [画像数 4](#)

#### 製品の概要

|          |  |
|----------|--|
| 製品名      | Anti-IL-21 antibody  |
| 製品の詳細    | Rabbit polyclonal to IL-21   |
| 由来種      | Rabbit   |
| アプリケーション | <b>適用あり:</b> ICC/IF, WB  |
| 種交差性     | <b>交差種:</b> Human<br><b>交差が予測される動物種:</b> Cow, Dog, Pig  |
| 免疫原      | Synthetic peptide corresponding to Human IL-21 aa 121-135.<br>Sequence:<br>TCPSCDSYEKKPPKE   |

Database link: [Q9HBE4](#)

(Peptide available as [ab6025](#), [ab6680](#))

 [Run BLAST with](#)

 [Run BLAST with](#)

#### 特記事項

A novel cytokine was recently identified in human and mouse and designated IL-21, which has significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21 (IL-21R, also termed NLR for novel Interleukin receptor) is a new member of the class I cytokine receptor family. IL-21R forms a complex with the common cytokine receptor  $\gamma$  chain,  $\gamma c$ , and mediates IL-21 signaling. IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, and HL-60 and THP-1 cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations.

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.

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

#### 製品の特性

|       |  |
|-------|--|
| 製品の状態 | Liquid   |
| 保存方法  | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / |

|         |  |
|---------|--|
|         | thaw cycle.  |
| バッファー   | pH: 7.2<br>Preservative: 0.02% Sodium azide  |
| 精製度     | Immunogen affinity purified  |
| 一次抗体 備考 | A novel cytokine was recently identified in human and mouse and designated IL-21, which has significant homology to IL-2, IL-4, and IL-15. The receptor for IL-21 (IL-21R, also termed NLR for novel Interleukin receptor) is a new member of the class I cytokine receptor family. IL-21R forms a complex with the common cytokine receptor g chain, gc, and mediates IL-21 signaling. IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21 is expressed in activated T cells, and HL-60 and THP-1 cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations. |
| ポリ/モノ   | ポリクローナル  |
| アイソタイプ  | IgG  |

## アプリケーション

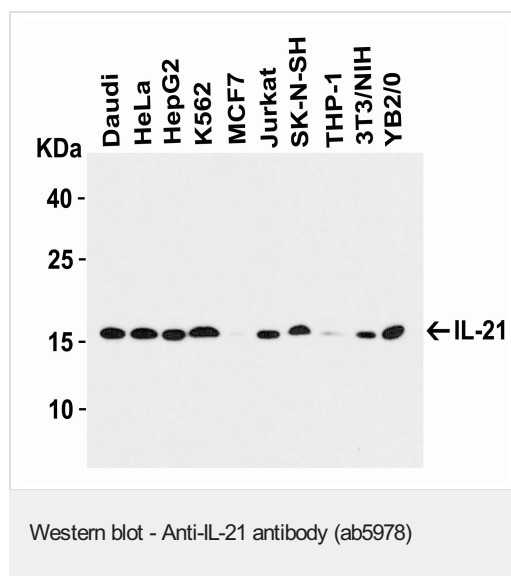
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab5978の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| ICC/IF   |           | Use a concentration of 2 µg/ml.   |
| WB       | ★★★★★ (1) | Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 18 kDa. |

## ターゲット情報

|       |   |
|-------|---|
| 機能    | Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL 15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL 15 and IL 18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation. |
| 組織特異性 | Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.   |
| 配列類似性 | Belongs to the IL-15/IL-21 family.  |
| 細胞内局在 | Secreted.   |

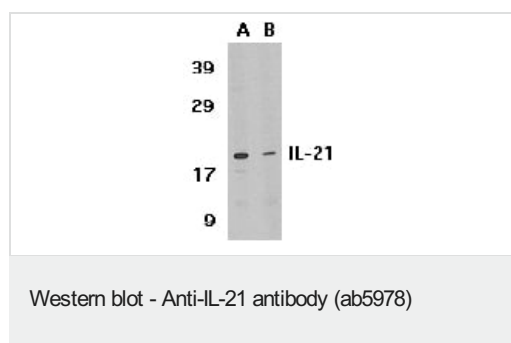
## 画像



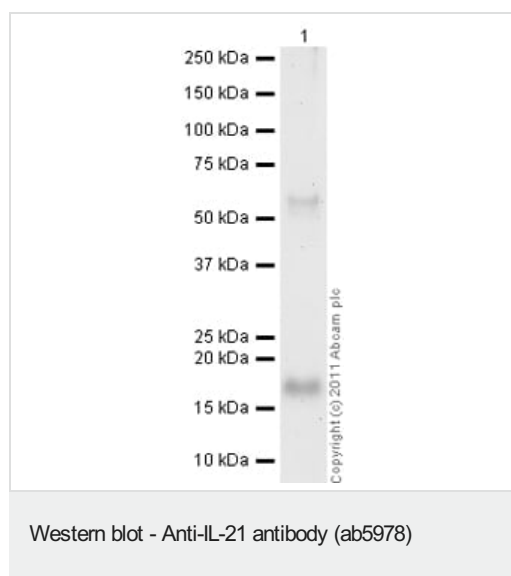
All lanes : Anti-IL-21 antibody (ab5978) at 1 µg/mL, 1h incubation at RT in 5% NFM/TBST.

Loading: 15 µg of lysates per lane.

Secondary: Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution.



Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with ab5978 at 1 µg /ml. Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with ab5978 at 1 µg /ml.



Anti-IL-21 antibody (ab5978) at 1 µg/ml + Recombinant human IL-21 protein ([ab73250](#)) at 0.1 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Exposure time:** 8 minutes



ab5978 at 2ug/ml staining of IL21 in K562 cells.

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

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