

## Product datasheet

# Anti-IL21 antibody ab5978

★★★★☆ 2 Abreviews 2 References 画像数 5

### 製品の概要

製品名	Anti-IL21 antibody
製品の詳細	Rabbit polyclonal to IL21
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, IHC-P, WB
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat, Cow, Dog, Pig
免疫原	Synthetic peptide corresponding to Human IL21 aa 121-135. Sequence: TCPSCDSYEKKPPKE  Database link: <a href="#">Q9HBE4</a> (Peptide available as <a href="#">ab6025</a> , <a href="#">ab6680</a> )

[Run BLAST with](#)

[Run BLAST with](#)

### ポジティブ・コントロール

ウェスタン・ブロット用ポジティブコントロール  
[Recombinant human IL21 protein](#) >

WB: HL-60 or THP-1 whole cell lysate. ICC: K562 cells

### 特記事項

Stable for one year.

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 NILR 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.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.

バッファー	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 $\gamma$ 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.
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

Our [Abpromise guarantee](#) covers the use of **ab5978** in the following tested applications.

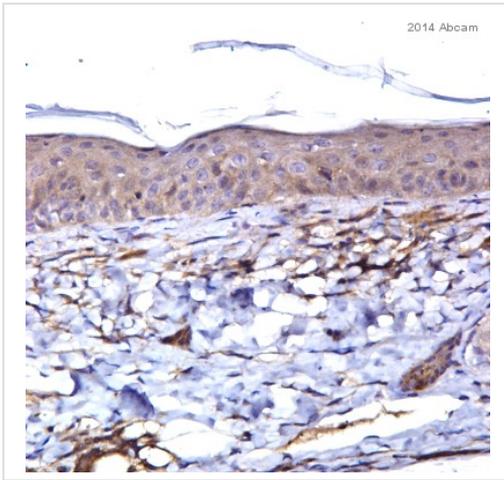
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 2 $\mu$ g/ml.
IHC-P	★★★★☆	Use at an assay dependent concentration.
WB	★★★★☆	Use a concentration of 0.5 - 1 $\mu$ g/ml. Detects a band of approximately 18 kDa. Can be blocked with <a href="#">IL21 peptide (ab6680)</a> .

## 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 IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 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.

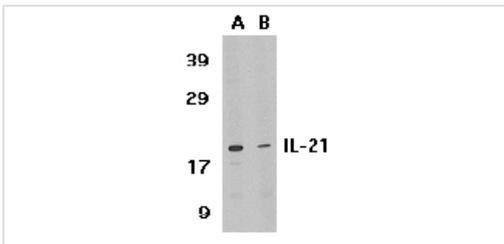
## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL21 antibody (ab5978)

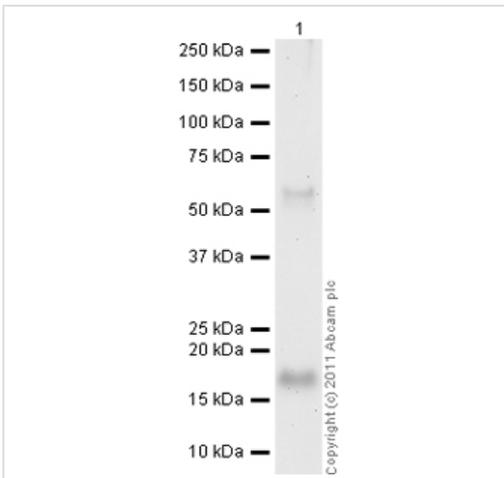
This image is courtesy of an Abreview submitted by Hongyan Zhao

ab5978 staining IL21 in mouse skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 10% serum for 30 minutes at room temperature; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/8000 in 10% normal goat serum) for 10 hours. A Biotin-conjugated goat anti-rabbit IgG polyclonal (1/350) was used as the secondary antibody.

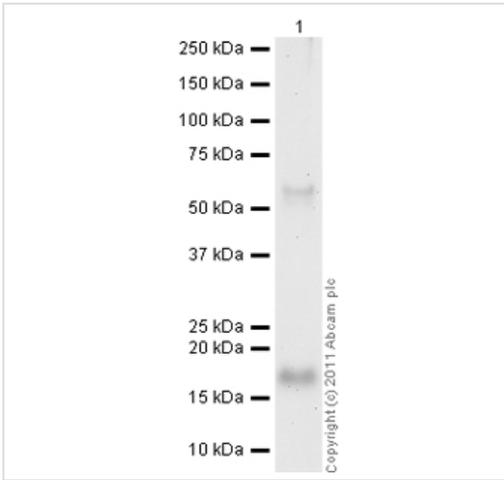


Western blot - Anti-IL21 antibody (ab5978)

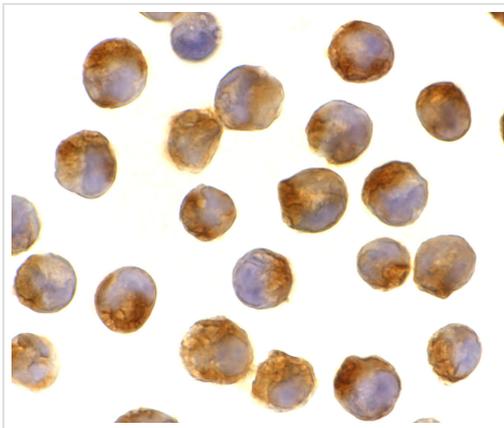
Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with ab5978 at 1 µg /ml. Western blot analysis of IL-21 expression in HL-60 cell lysate in the absence (lane A) or presence of blocking peptide (lane B) with ab5978 at 1 µg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



Western blot



Western blot - Anti-IL21 antibody (ab5978)



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

Immunocytochemistry/ Immunofluorescence - Anti-IL21 antibody (ab5978)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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