

**IL1F8 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8956a****Specification**

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**IL1F8 Antibody (N-term) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">O9NZH7</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18522
Antigen Region	1-30

**IL1F8 Antibody (N-term) - Additional Information****Gene ID** 27177**Other Names**

Interleukin-36 beta, FIL1 eta, Interleukin-1 eta, IL-1 eta, Interleukin-1 family member 8, IL-1F8, Interleukin-1 homolog 2, IL-1H2, IL36B, IL1F8, IL1H2

**Target/Specificity**

This IL1F8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human IL1F8.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IL1F8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL1F8 Antibody (N-term) - Protein Information****Name** IL36B ([HGNC:15564](#))

## Synonyms IL1F8, IL1H2

**Function** Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. Part of the IL- 36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor IL1RAP. Stimulates production of interleukin-6 and interleukin-8 in synovial fibroblasts, articular chondrocytes and mature adipocytes. Induces expression of a number of antimicrobial peptides including beta-defensins 4 and 103 as well as a number of matrix metalloproteases. Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T-cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces the expression of macrophage, T-cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1, and the production of pro-inflammatory cytokines such as TNF-alpha, IL-8 and IL-6.

## Cellular Location

Cytoplasm. Secreted. Note=The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and secretion.

## Tissue Location

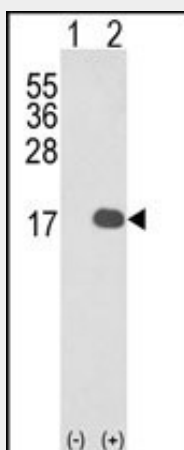
Expression at low levels in tonsil, bone marrow, heart, placenta, lung, testis and colon but not in any hematopoietic cell lines. Not detected in adipose tissue. Expressed at higher levels in psoriatic plaques than in symptomless psoriatic skin or healthy control skin. Increased levels are not detected in inflamed joint tissue.

## IL1F8 Antibody (N-term) - Protocols

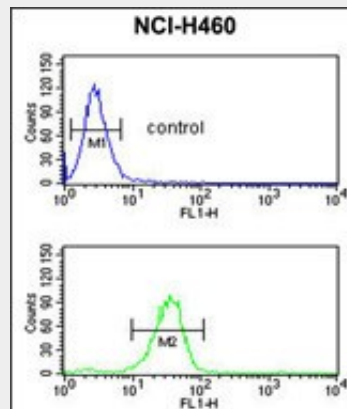
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## IL1F8 Antibody (N-term) - Images



Western blot analysis of IL1F8 (arrow) using rabbit polyclonal IL1F8 Antibody (N-term) (Cat. #AP8956a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the IL1F8 gene (Lane 2).



IL1F8 Antibody (N-term) (Cat. #AP8956a) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **IL1F8 Antibody (N-term) - Background**

The protein is a member of the interleukin 1 cytokine family. Protein structure modeling indicated that this cytokine may contain a 12-stranded beta-trefoil structure that is conserved between IL1A (IL-A alpha) and IL1B (IL-1 beta).

#### **IL1F8 Antibody (N-term) - References**

Kim, T.J., et.al., J. Rheumatol. 35 (8), 1603-1608 (2008)  
Magne, D., et.al., Arthritis Res. Ther. 8 (3), R80 (2006)