

**IL19 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17156a****Specification**

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**IL19 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9UHD0</a>
Other Accession	<a href="#">NP_715639.1</a> , <a href="#">NP_037503.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20452
Antigen Region	28-55

**IL19 Antibody (N-term) - Additional Information****Gene ID** 29949**Other Names**

Interleukin-19, IL-19, Melanoma differentiation-associated protein-like protein, NG1, IL19, ZMDA1

**Target/Specificity**

This IL19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-55 amino acids from the N-terminal region of human IL19.

**Dilution**

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**

IL19 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL19 Antibody (N-term) - Protein Information****Name** IL19**Synonyms** ZMDA1

**Function** Cytokine that functions as an anti-inflammatory and proangiogenic factor (PubMed:[34932373](#)). Polarizes adaptive immunity to an anti-inflammatory phenotype through induction of T-helper 2 responses by both down-regulation of IFN-gamma and up-regulation of IL4 and IL13 (PubMed:[16365913](#)). Produced by osteocytes, stimulates granulopoiesis and neutrophil formation (By similarity). Exerts its biological effect through a receptor complex consisting of a heterodimer of IL20RA and IL20RB (PubMed:[12351624](#)). In turn, activates the Janus kinase (JAK) and signal transducer and activator of transcription (STAT) pathway, and importantly, STAT3 (PubMed:[11564763](#)).

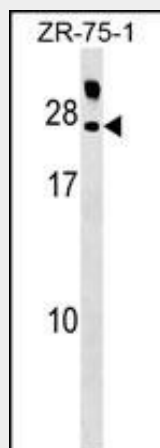
**Cellular Location**  
Secreted.

### IL19 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](#)

### IL19 Antibody (N-term) - Images



IL19 Antibody (N-term) (Cat. #AP17156a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the IL19 antibody detected the IL19 protein (arrow).

### IL19 Antibody (N-term) - Background

The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced

transcript variants encoding the distinct isoforms have been described.

#### **IL19 Antibody (N-term) - References**

Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010)  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)  
Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
Ryckman, K.K., et al. PLoS ONE 5 (8), E12273 (2010) :