

**IL34 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18473a****Specification**

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**IL34 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O6ZMJ4</a>
Other Accession	<a href="#">NP_001166242.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27482
Antigen Region	27-53

**IL34 Antibody (N-term) - Additional Information****Gene ID** 146433**Other Names**

Interleukin-34, IL-34, IL34, C16orf77

**Target/Specificity**

This IL34 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-53 amino acids from the N-terminal region of human IL34.

**Dilution**

WB~~1:1000

**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**

IL34 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL34 Antibody (N-term) - Protein Information****Name** IL34**Synonyms** C16orf77

**Function** Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1.

**Cellular Location**  
Secreted.

**Tissue Location**

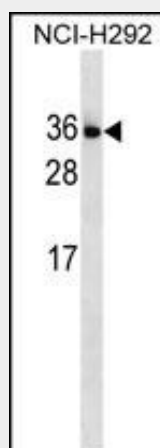
Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.

**IL34 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](#)

**IL34 Antibody (N-term) - Images**



IL34 Antibody (N-term) (Cat. #AP18473a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the IL34 antibody detected the IL34 protein (arrow).

**IL34 Antibody (N-term) - Background**

Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).

### **IL34 Antibody (N-term) - References**

Wei, S., et al. J. Leukoc. Biol. 88(3):495-505(2010)  
Lin, H., et al. Science 320(5877):807-811(2008)  
Lim, J., et al. Cell 125(4):801-814(2006)