

IL34 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18473a

Specification

IL34 Antibody (N-term) - Product Information

Application WB,E
Primary Accession O6ZMJ4

Other Accession NP_001166242.1

Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region
Puman
Rabbit
Rabbit
Polyclonal
Rabbit IgG
27482
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

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.

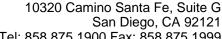
Precautions

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

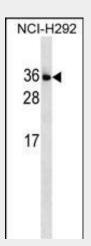
Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.

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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

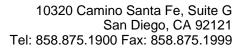
IL34 Antibody (N-term) - Images



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)