10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL19 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17156a

Product Information

Application	WB, E
Primary Accession	Q9UHD0
Other Accession	NP_715639.1, NP_037503.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36292
Calculated MW	20452
Antigen Region	28-55

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 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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.

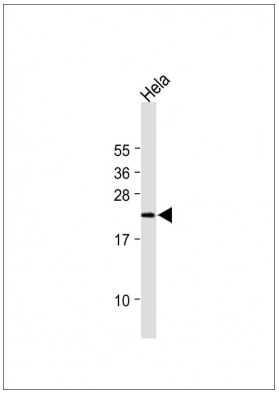
Background

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.

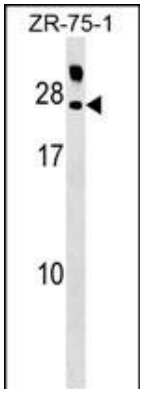
References

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) :

Images



All lanes : Anti-IL19 Antibody (N-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 23kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.