

**IL13 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13737b**

**Specification**

**IL13 Antibody (C-term) - Product Information**

Application	<b>IF, WB, IHC-P,E</b>
Primary Accession	<a href="#">P35225</a>
Other Accession	<a href="#">NP_002179.2</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Antigen Region	<b>118-146</b>

**IL13 Antibody (C-term) - Additional Information**

**Gene ID** 3596

**Other Names**

Interleukin-13, IL-13, IL13, NC30

**Target/Specificity**

This IL13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-146 amino acids from the C-terminal region of human IL13.

**Dilution**

IF~~1:10~50  
WB~~1:1000  
IHC-P~~1:10~50

**Format**

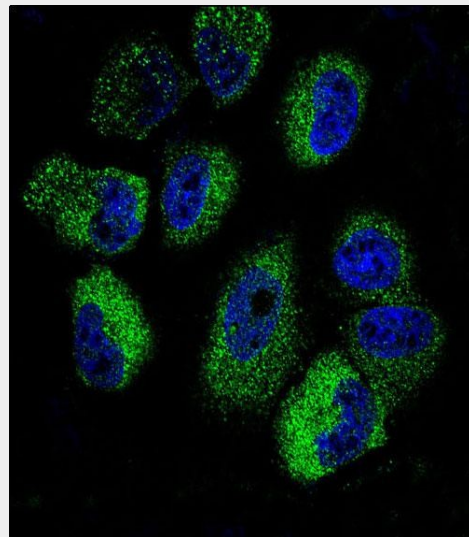
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

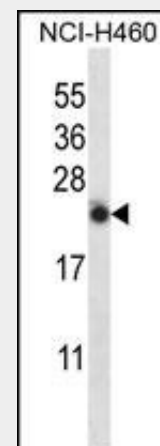
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IL13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



Confocal immunofluorescent analysis of IL13 Antibody (C-term) (Cat#AP13737b) with NCI-H460 cell line followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IL13 Antibody (C-term) (Cat. #AP13737b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the IL13 antibody detected the IL13 protein (arrow).

### IL13 Antibody (C-term) - Protein Information

**Name** IL13

**Synonyms** NC30

#### Function

Cytokine (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>, PubMed:<a href="http://www.uniprot.org/citations/8097324" target="\_blank">8097324</a>). Inhibits inflammatory cytokine production (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>). May be critical in regulating inflammatory and immune responses (PubMed:<a href="http://www.uniprot.org/citations/8096327" target="\_blank">8096327</a>, PubMed:<a href="http://www.uniprot.org/citations/8097324" target="\_blank">8097324</a>). Positively regulates IL31RA expression in macrophages (By similarity).

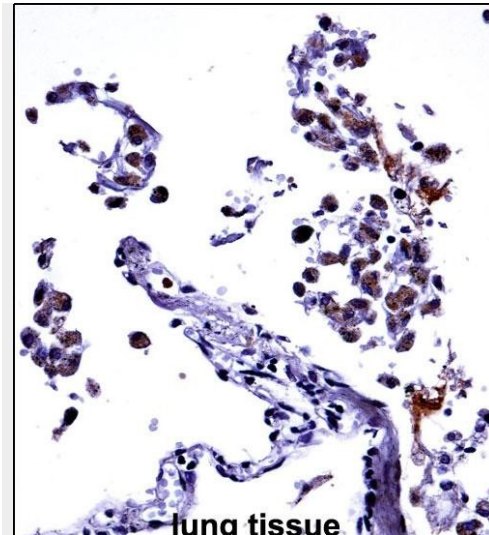
#### Cellular Location

Secreted.

### IL13 Antibody (C-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](#)



IL13 Antibody (C-term) (AP13737b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of IL13 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### IL13 Antibody (C-term) - Background

This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq].

### IL13 Antibody (C-term) - References

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293(9):1470-1476(2010)  
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