

Datasheet for ABIN3031449
anti-IL-13 antibody (AA 118-146)

5 Images

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Overview

| | |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity: | 0.4 mL |
| Target: | IL-13 (IL13) |
| Binding Specificity: | AA 118-146 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IL-13 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|---------------|------------------------------------------------------------------------------------------------------------|
| Immunogen: | A portion of amino acids 118-146 from the human protein was used as the immunogen for this IL-13 antibody. |
| Isotype: | Ig Fraction |
| Purification: | Antigen affinity purified |

Target Details

| | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | IL-13 (IL13) |
| Alternative Name: | IL-13 (IL13 Products) |
| Background: | <p>This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells.</p> <p>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.</p> |

Target Details

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].

UniProt: [P35225](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Proton Transport](#)

Application Details

Application Notes: Titration of the IL-13 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

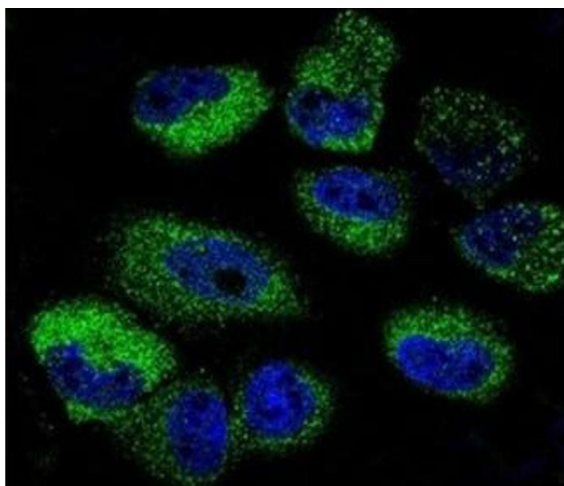
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

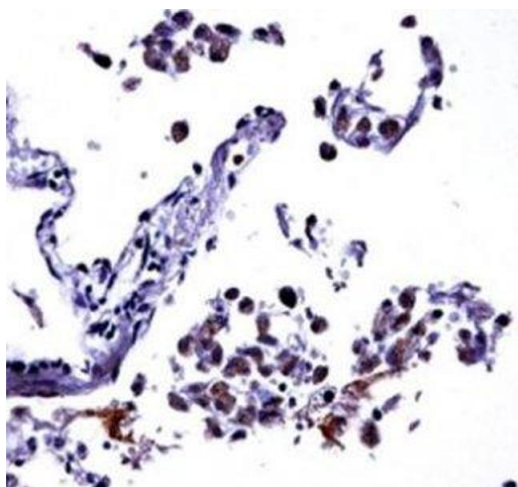
Storage: -20 °C

Storage Comment: Aliquot the IL-13 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of IL-13 antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 2. IL-13 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue.



Western Blotting

Image 3. IL-13 antibody western blot analysis in NCI-H460 lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031449.