

# IL13 Rabbit pAb

Catalog No.: A2089 **2 Publications**

## Basic Information

**Observed MW**

16kDa

**Calculated MW**

16kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:50 - 1:100

## Immunogen Information

**Gene ID**

3596

**Swiss Prot**

P35225

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 25-146 of human IL13 (NP\_002179.2).

**Synonyms**

P600; IL-13; IL13

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

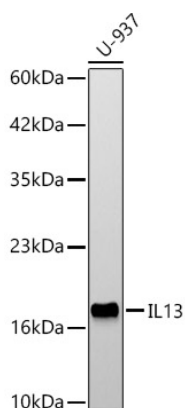
Affinity purification

**Storage**

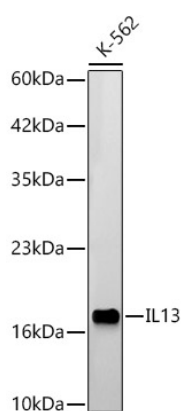
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

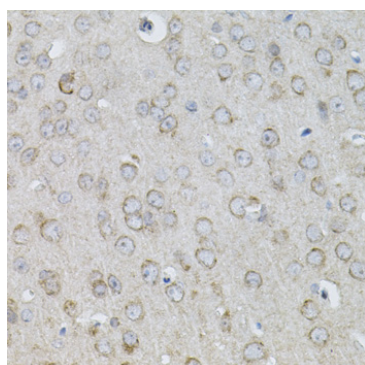
## Validation Data



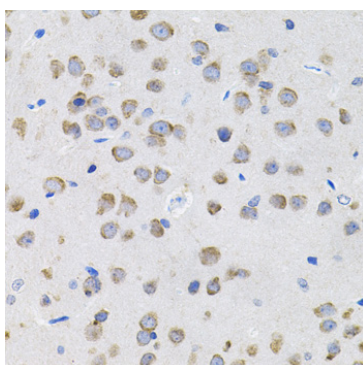
Western blot analysis of lysates from U-937 cells, using IL13 Rabbit pAb (A2089) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 45s.



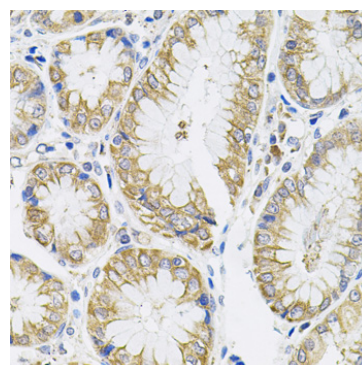
Western blot analysis of lysates from K-562 cells, using IL13 Rabbit pAb (A2089) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Immunohistochemistry analysis of IL13 in paraffin-embedded mouse brain using IL13 Rabbit pAb (A2089) (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of IL13 in paraffin-embedded rat brain using IL13 Rabbit pAb (A2089) (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of IL13 in paraffin-embedded human stomach using IL13 Rabbit pAb (A2089) (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.