

Rabbit Anti-IL13 antibody

SL0560R

Product Name IL13

Chinese Name 白介素 13 抗体

Alias Interleukin-13; Interleukin 13; Interleukin13; ALRH; BHR 1; BHR1; IL 13; IL-13; MGC116786; MGC116788; MGC116789; NC30; P600; Interleukin-13; T-cell activation protein P600; IL13_MOUSE; IL13_HUMAN.

Research Area Tumour Cell biology immunology

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, (predicted: Mouse, Rat, Dog, Pig, Cow, Sheep,)
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 12kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from mouse IL-13: 45-56/131(mo)

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

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, Jul 2008]

Function:

Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses.

Subcellular Location:

Secreted.

DISEASE:

Defects in IL13 may be a cause of susceptibility to allergic rhinitis (ALRH) [MIM:607154]. Allergic rhinitis is a common disease of complex inheritance and is characterized by mucosal inflammation caused by allergen exposure.

**Product
Detail**

Similarity:

Belongs to the IL-4/IL-13 family.

SWISS:

P20109

Gene ID:

16163

Database links:

[Entrez Gene: 3596](#) Human

[Entrez Gene: 16163](#) Mouse

[Entrez Gene: 116553](#) Rat

[Omim: 147683](#) Human

[SwissProt: P35225](#) Human

[SwissProt: P20109](#) Mouse

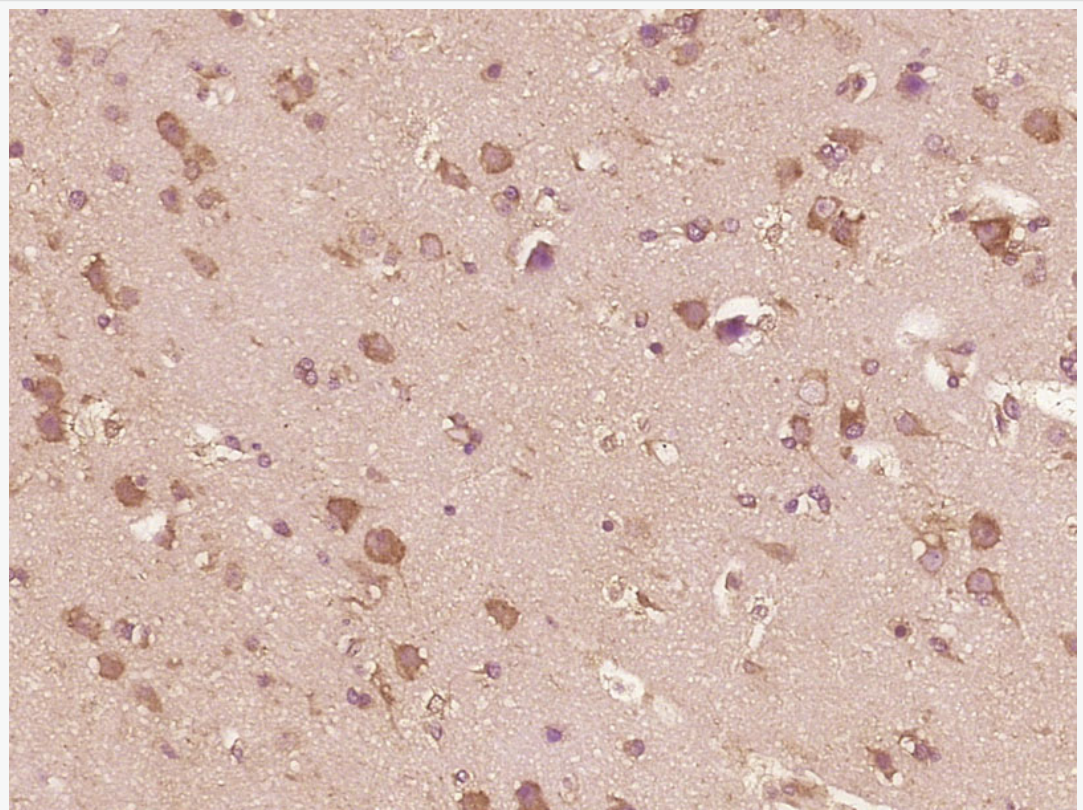
[SwissProt: P42203](#) Rat

[Unigene: 845](#) Human

[Unigene: 1284](#) Mouse

[Unigene: 9921](#) Rat

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-13) Polyclonal Antibody, Unconjugated (SL0560R) at 1:400 overnight at 4°C, followed by operating



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according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.