

Rabbit Anti-IL-9 antibody

SL10435R

Product Name IL-9

Chinese Name 白介素 9 抗体

Alias Interleukin-9; IL9; Homolog of mouse T cell and mast cell growth factor 40; HP40; IL 9; Mast cell growth factor; MCGF; Megakaryoblast growth factor; p40 cytokine; p40 T cell and mast cell growth factor; p40 T-cell and mast cell growth factor; T cell growth factor 3; T cell growth factor p40; T-cell growth factor p40; Interleukin 9; TCGF 3.

Research Area Tumour Cell biology Neurobiology Signal transduction Apoptosis Cyclin

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human,

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 16kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human IL-9: 51-144/144

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](#)

The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008].

Function:

Supports IL-2 independent and IL-4 independent growth of helper T-cells.

Subcellular Location:

Secreted.

Similarity:

Belongs to the IL-7/IL-9 family

**Product
Detail**

SWISS:

P15248

Gene ID:

3578

Database links:

[Entrez Gene: 3578](#) Human

[Entrez Gene: 16198](#) Mouse

[Entrez Gene: 116558](#) Rat

[Omim: 146931](#) Human

[SwissProt: P15248](#) Human

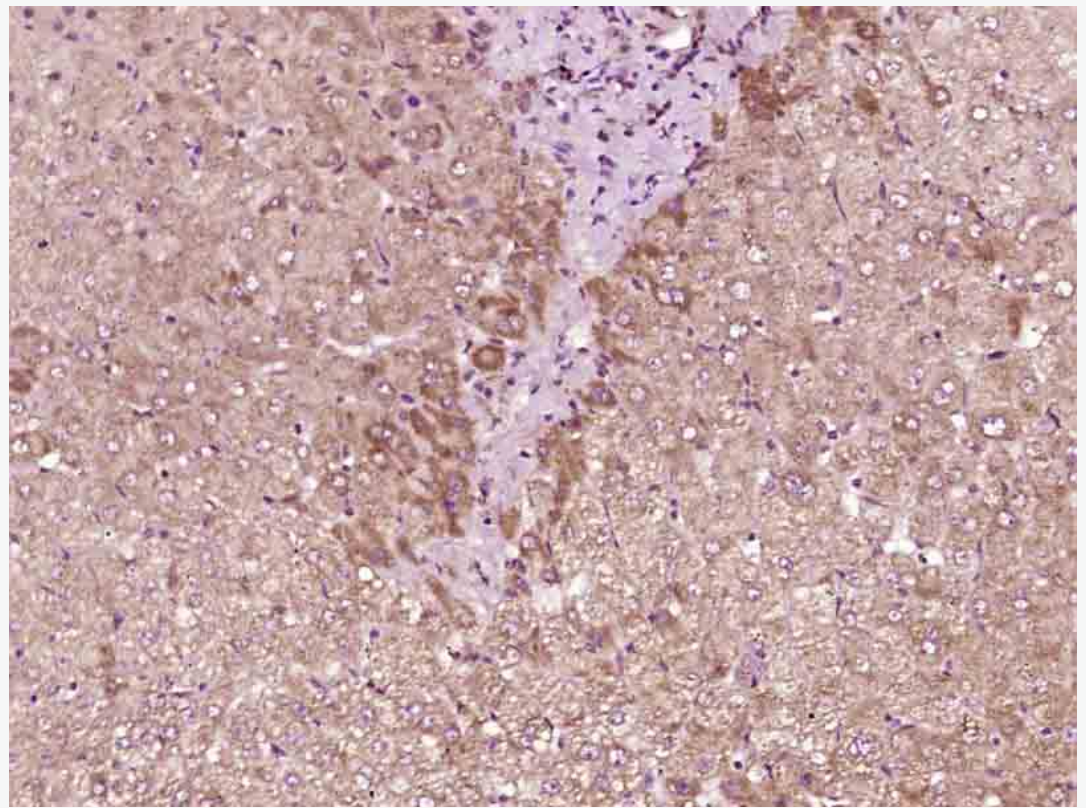
[SwissProt: P15247](#) Mouse

[Unigene: 960](#) Human

[Unigene: 3006](#) Mouse

[Unigene: 92374](#) Rat

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); 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-9) Polyclonal Antibody, Unconjugated (SL10435R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.