

IL-3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58039**Specification**

IL-3 Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P, WB |
| Primary Accession | P01586 |
| Reactivity | Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 18540 |

IL-3 Polyclonal Antibody - Additional Information**Gene ID** 16187**Other Names**

Interleukin-3, IL-3, Hematopoietic growth factor, Mast cell growth factor, MCGF, Multipotential colony-stimulating factor, P-cell-stimulating factor, Il3, Csfmu, Il-3

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

IL-3 Polyclonal Antibody - Protein Information**Name** Il3**Synonyms** Csfmu, Il-3**Function**

Cytokine secreted predominantly by activated T-lymphocytes as well as mast cells and osteoblastic cells that controls the production and differentiation of hematopoietic progenitor cells into lineage- restricted cells. Stimulates also mature basophils, eosinophils, and monocytes to become functionally activated. In addition, plays an important role in neural cell proliferation and survival. Participates as well in bone homeostasis and inhibits osteoclast differentiation by preventing NF-kappa-B nuclear translocation and activation. Mechanistically, exerts its biological effects through a receptor composed of IL3RA subunit and a signal transducing subunit IL3RB (By similarity). Receptor stimulation results in the rapid activation of JAK2 kinase activity leading to STAT5-mediated transcriptional program (PubMed:10376805, PubMed:31990690, PubMed:8378315). Alternatively, contributes to cell survival under oxidative stress in non- hematopoietic systems by activating

pathways mediated by PI3K/AKT and ERK (By similarity).

Cellular Location

Secreted.

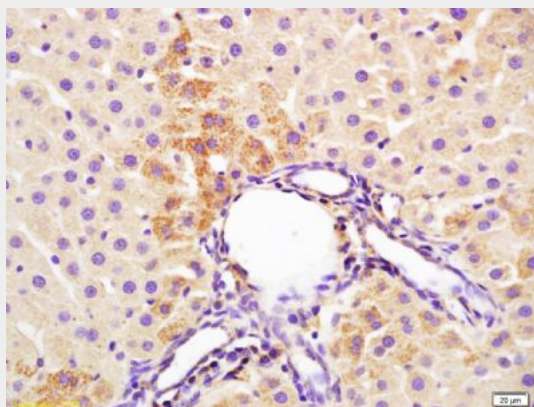
Tissue Location

Activated T-cells, mast cells, natural killer cells

IL-3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

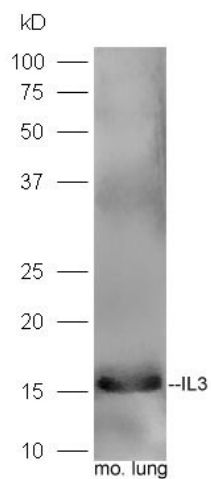
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-3 Polyclonal Antibody - Images

Tissue/cell: rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: EDTA(0.01M, pH 9.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IL-3 Polyclonal Antibody, Unconjugated(bs-2598R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample: Lung(Mouse) lysate at 30ug;
Primary: Anti- IL3 (bs-2598R) at 1:300 dilution;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000 dilution;
Predicted band size:16 kD
Observed band size:16 kD