

IL-5 Polyclonal Antibody

Catalog # AP70522

Product Information

Application WB, IHC-P, IF, ICC, E

Primary Accession P05113

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW15238

Additional Information

Gene ID 3567

Other Names IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation

factor; T-cell replacing factor; TRF

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

ICC~~N/A E~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name IL5

Function Homodimeric cytokine expressed predominantly by T-lymphocytes and NK

cells that plays an important role in the survival, differentiation, and

chemotaxis of eosinophils (PubMed: 2653458, PubMed: 9010276). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed: 1495999, PubMed: 22528658). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and

JAK-STAT5 pathways respectively (PubMed: 7613138).

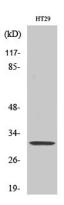
Cellular Location Secreted.

Tissue Location Present in peripheral blood mononuclear cells.

Background

Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells.

Images



Western Blot analysis of various cells using IL-5 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.