

Anti-IL-9 Antibody

Catalog # AP53759

Product Information

Application	WB
Primary Accession	P15248
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15909

Additional Information

Gene ID	3578
Other Names	Interleukin-9; IL-9; Cytokine P40; T-cell growth factor P40
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IL-9. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

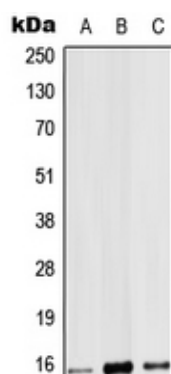
Protein Information

Name	IL9
Function	Multifunctional cytokine secreted mainly by T-helper 2 lymphocytes and also mast cells or NKT cells that plays important roles in the immune response against parasites (PubMed: 29742432). Affects intestinal epithelial permeability and adaptive immunity (PubMed: 29742432). In addition, induces the differentiation of specific T-cell subsets such as IL-17 producing helper T-cells (TH17) and also proliferation and differentiation of mast cells. Mechanistically, exerts its biological effects through a receptor composed of IL9R subunit and a signal transducing subunit IL2RG. Receptor stimulation results in the rapid activation of JAK1 and JAK3 kinase activities leading to STAT1, STAT3 and STAT5-mediated transcriptional programs. Induction of differentiation genes seems to be mediated by STAT1 alone, while protection of cells from apoptosis depends on STAT3 and STAT5.
Cellular Location	Secreted.

Background

Rabbit polyclonal antibody to IL-9

Images



Western blot analysis of IL-9 expression in HEK293T (A), mouse heart (B), rat heart (C) whole cell lysates.

Citations

- [CD13-specific ligand facilitates Xanthatin nanomedicine targeting dendritic cells for therapy of refractory allergic rhinitis](#)

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