

Anti-IL-9 Antibody
Catalog # AP53759**Specification**

Anti-IL-9 Antibody - Product Information

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

Anti-IL-9 Antibody - 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

Anti-IL-9 Antibody - 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](http://www.uniprot.org/citations/29742432)). Affects intestinal epithelial permeability and adaptive immunity (PubMed: [29742432](http://www.uniprot.org/citations/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

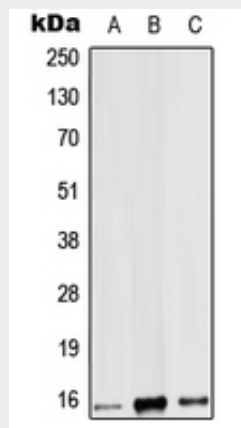
Secreted.

Anti-IL-9 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](#)

Anti-IL-9 Antibody - Images



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

Anti-IL-9 Antibody - Background

Rabbit polyclonal antibody to IL-9

Anti-IL-9 Antibody - Citations

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