

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

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**Anti-IL-9 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P15248</a> |
| 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**

Recognizes endogenous levels of IL-9 protein.

**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:<a href="http://www.uniprot.org/citations/29742432" target="\_blank">29742432</a>). Affects intestinal epithelial permeability and adaptive immunity (PubMed:<a href="http://www.uniprot.org/citations/29742432" target="\_blank">29742432</a>). 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.

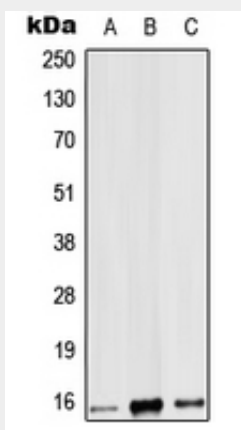
**Cellular Location**  
Secreted.

### 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](#)