

# Anti-IL-9 Antibody

Catalog # AP53759

## Product Information

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Application	WB
Primary Accession	<a href="#">P15248</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15909

## Additional Information

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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

## Protein Information

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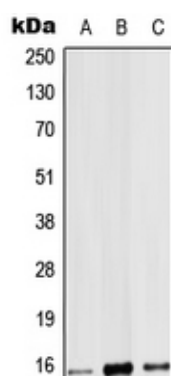
Name	IL9
Function	Multifunctional cytokine secreted mainly by T-helper 2 lymphocytes and also mast cells or NKT cells that plays important roles in the immune response against parasites (PubMed: <a href="#">29742432</a> ). Affects intestinal epithelial permeability and adaptive immunity (PubMed: <a href="#">29742432</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.

## Background

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## Images

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

## Citations

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

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