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# IL9 Antibody

Rabbit mAb
Catalog # AP93114

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P15248 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | HP40; Il9; Interleukin 9 MCGF; P40; TCGF 3; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 15909 |

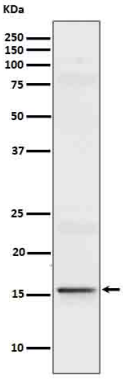
## Additional Information

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| **Dilution** | WB 1:500~1:2000 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human IL9 |
| **Description** | Supports IL-2 independent and IL-4 independent growth of helper T-cells. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## 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: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. |

## Images




Western blot analysis of IL9 in Recombinant Human IL9 protein cell lysate.

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