

IL9 Antibody

Rabbit mAb

Catalog # AP93114

Product Information

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

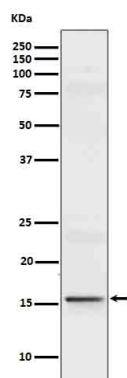
Additional Information

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

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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