

## IL9

**Reactivity:**Human Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**16kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human IL9

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

P40; HP40; IL-9;

**Catalog #:**A1894

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3578

**Isotype:**IgG

**Swiss Prot:**P15248

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness.

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