

Product datasheet for **TA336228**

IL9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-IL9 Antibody: synthetic peptide directed towards the middle region of human IL9. Synthetic peptide located within the following region: SQMTNTTMQTRYPLIFSRVKKSVKLNKCPYFSCEQPCNQTAGNALT
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14 kDa
Gene Name:	interleukin 9
Database Link:	NP_000581 Entrez Gene 3578 Human P15248



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Background:

IL9 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 IL9 has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that IL9 is a determining factor in the pathogenesis of bronchial hyperresponsiveness. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

HP40; IL-9; P40

Note:

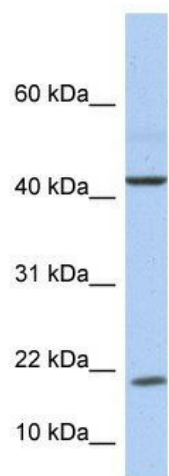
Immunogen Sequence Homology: Human: 100%; Rat: 83%; Pig: 77%; Horse: 77%; Guinea pig: 77%

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Asthma, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:

WB Suggested Anti-IL9 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Liver