

Datasheet for ABIN740130  
**anti-IL-9 antibody (AA 21-120)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	IL-9 (IL9)
Binding Specificity:	AA 21-120
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse IL-9
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

## Target Details

Target:	IL-9 (IL9)
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## Target Details

Alternative Name:	IL-9 ( <a href="#">IL9 Products</a> )
Background:	<p>Synonyms: P4, Il-9, Interleukin-9, Cytokine P4, T-cell growth factor P4, Il9</p> <p>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. [provided by RefSeq, Jul 2008].</p>
Gene ID:	16198
UniProt:	<a href="#">P15247</a>
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

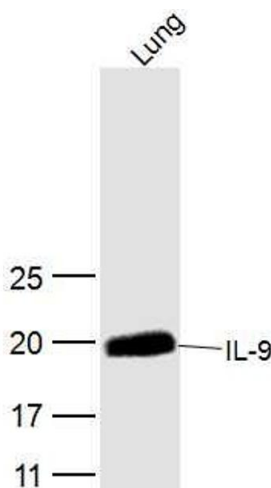
Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

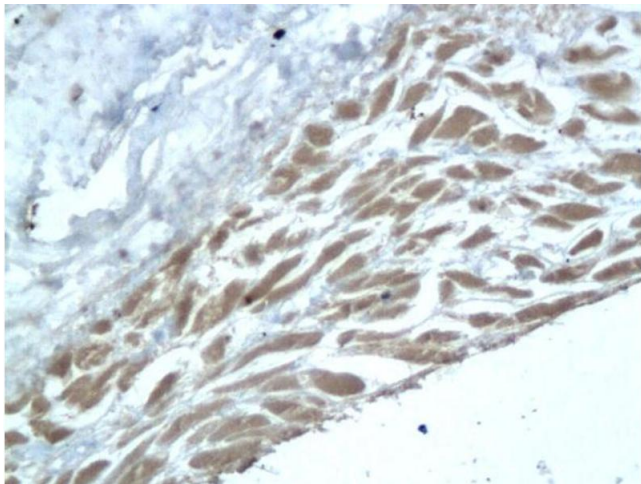
Product cited in:	<p>Yang, Li, Yang, Li: "Interleukin-9 Is Associated with Elevated Anti-Double-Stranded DNA Antibodies in Lupus-Prone Mice." in: <b>Molecular medicine (Cambridge, Mass.)</b>, Vol. 21, pp. 364-70, (2016) (<a href="#">PubMed</a>).</p> <p>Lin, Zhang, Dai, Li, Wang, Zhang, Chen, Lu: "Expression of interleukin-9 and its upstream stimulating factors in rats with ischemic stroke." in: <b>Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology</b>, (2015) (<a href="#">PubMed</a>).</p> <p>Yao, Kong, Xie, Wang, Li, Liu, Sun, Li, Wang, Li, Qu, Zhao, Wang, Liu, Zhang, Mu, Li: "Neutralization of interleukin-9 ameliorates symptoms of experimental autoimmune myasthenia gravis in rats by decreasing effector T cells and altering humoral responses." in: <b>Immunology</b>, Vol. 143, Issue 3, pp. 396-405, (2014) (<a href="#">PubMed</a>).</p>
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Images



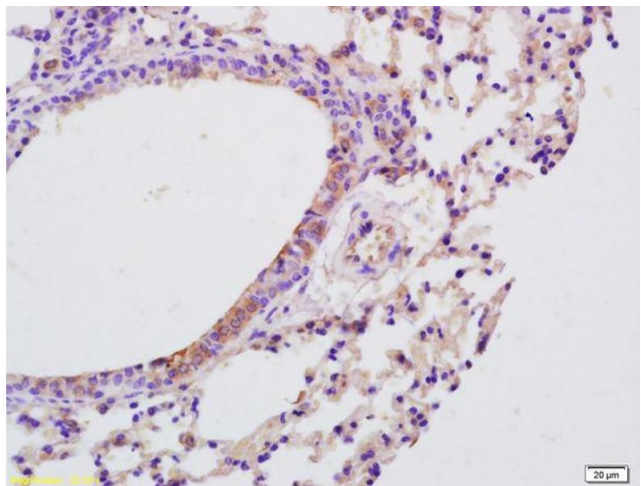
**Western Blotting**

**Image 1.** Mouse lung lysates probed with IL-9 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human rheumatoid synovial tissue labeled with Anti-IL-9 Polyclonal Antibody, Unconjugated (ABIN740130) followed by conjugation to the secondary antibody



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded mouse lung labeled with Anti-IL-9 Polyclonal Antibody, Unconjugated (ABIN740130) at 1:200 followed by conjugation to the secondary antibody and DAB staining