

Anti-Human IL-9 (RABBIT) Antibody - 209-401-B96**Code:** 209-401-B96**Size:** 100 µg**Product Description:** Anti-Human IL-9 (RABBIT) Antibody - 209-401-B96**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm**PhysicalState:** Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	IL9
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	None
Storage Condition	Store Anti-IL-9 antibody at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-IL-9 antibody, rabbit anti-interleukin-9 antibody, Interleukin 9, IL 9, IL9, T cell growth factor 3, T cell growth factor p40, TCGF 3, Mast cell growth factor, MCGF, Megakaryoblast growth factor, p40 cytokine
Application Note	This purified antibody has been tested for use in ELISA and western blotting. Reactivity is also expected in neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be <10 pg/µl by the LAL method. By western blot a band approximately 15 kDa in size corresponding to native human IL-9 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Background	IL-9 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. Anti-IL-9 antibody is ideal for investigators involved in Cancer and Immunology research.
Purity And Specificity	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-9 in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Assay Dilutions	User Optimized
ELISA	1:10,000
Western Blot	1:1,000
Immunohistochemistry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-9 protein.

General Reference

Zhu,W., Liu,N., Zhao,Y., Jia,H., Cui,B. and Ning,G. (2010) Association analysis of polymorphisms in IL-3, IL-4, IL-5, IL-9 and IL-13 with Graves' disease. J. Endocrinol. Invest. (2010) In press
Ciprandi,G. (2010) Serum interleukin 9 in allergic rhinitis. Ann. Allergy Asthma Immunol. 104 (2), 180-181.
Osterfeld,H., Ahrens,R., Strait,R., Finkelman,F.D., Renauld,J.C. and Hogan,S.P. ((2010) Differential roles for the IL-9/IL-9 receptor alpha-chain pathway in systemic and oral antigen-induced anaphylaxis. J. Allergy Clin. Immunol. 125 (2), 469-476.

Related Products

009-001-B96	IL-9 Recombinant Human Protein - 009-001-B96
209-403-B96	Anti-Human IL-9 (RABBIT) Antibody Peroxidase Conjugated - 209-403-B96
209-406-B96	Anti-Human IL-9 (RABBIT) Antibody Biotin Conjugated - 209-406-B96
600-401-A42	Anti-STAT1 (RABBIT) Antibody - 600-401-A42

Related Links

UniProtKB - P15248

<http://www.uniprot.org/uniprot/P15248>

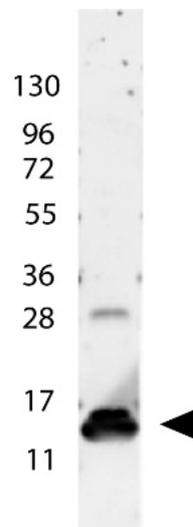
NCBI - NP_000581.1

http://www.ncbi.nlm.nih.gov/protein/NP_000581.1

GeneID - 3578

Images

1 Rockland's anti-Human IL-9 antibody shows detection of a band ~15 kDa in size corresponding to recombinant human IL-9. The identity of the faint higher molecular weight band may represent a homodimer. Molecular weight markers are also shown (left). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using peroxidase conjugated anti-Rabbit IgG (p/n 611-103-122) secondary antibody diluted 1:40,000 in blocking buffer (p/n MB-070) for 30 min at RT followed by reaction with FemtoMax™ chemiluminescent substrate. Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.