

IL-9 Antibody

Catalog # ASC11705

Specification

IL-9 Antibody - Product Information

Application **WB, IHC, IF**
Primary Accession [P15248](#)
Other Accession [NP_000581](#),
[10834980](#)
Reactivity **Human**
Host **Rabbit**
Clonality **Polyclonal**
Isotype **IgG**
Calculated MW **Predicted: 13 kDa**

Observed: 22kDa
KDa
Application Notes **IL-9 antibody can be used for detection of IL-9 by Western blot at 1 - 2 µg/ml.**

IL-9 Antibody - Additional Information

Gene ID **3578**
Target/Specificity
IL9; IL-9 antibody is human specific. IL-9 antibody is predicted to no cross-react with IL-7.

Reconstitution & Storage

IL-9 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

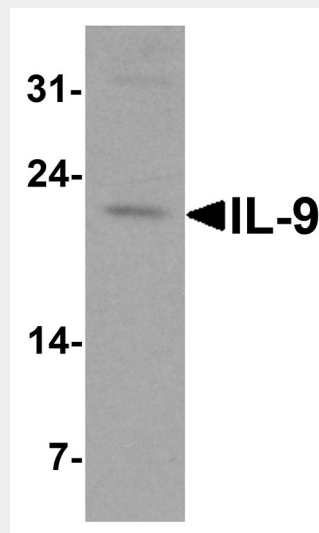
IL-9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IL-9 Antibody - Protein Information

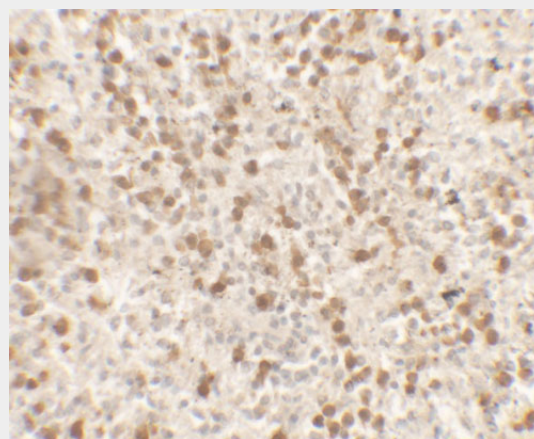
Name IL9

Function

Supports IL-2 independent and IL-4 independent growth of helper T-cells.



Western blot analysis of IL-9 in human spleen tissue lysate at 1 µg/ml.



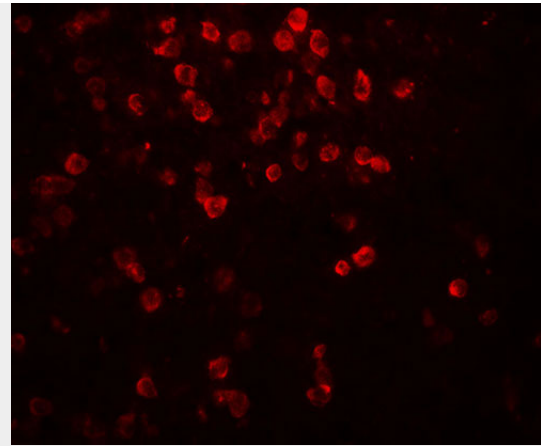
Immunohistochemistry of IL-9 in human spleen tissue with IL-9 antibody at 5 µg/mL.

Cellular Location Secreted.

IL-9 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Immunofluorescence of IL-9 in human spleen tissue with IL-9 antibody at 20 µg/mL.

IL-9 Antibody - Background

Interleukin 9 (IL-9) is a cytokine secreted by TH2 lymphocytes that acts as a regulator of a variety of hematopoietic cells, stimulates cell proliferation and prevents apoptosis (1,2). It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins (3). The IL-9 gene has been identified as a candidate gene for asthma (4). Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness (5).

IL-9 Antibody - References

Renauld JC, Goethals A, Houssiau F, et al. Cloning and expression of a cDNA for the human homolog of mouse T cell and mast cell growth factor P40. *Cytokine* 1990; 2:9-12.

Tete S, Saggini A, Maccauro G, et al. Interleukin-9 and mast cells. *J. Biol. Homeost. Agents* 2012; 26:319-26.

Knoops L and Renauld JC. IL-9 and its receptor: from signal transduction to tumorigenesis. *Growth Factors* 2004; 22:207-15.

Nicolaides NC, Holroyd KJ, Ewart SL, et al. Interleukin 9: a candidate gene for asthma. *Proc. Natl. Acad. Sci. USA* 1997; 94:13175-80.