

## Product datasheet for **TA368254S**

### IL9 Rabbit Polyclonal Antibody

#### Product data:

|                         |                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                           |
| Applications:           | IHC, WB                                                                                                                                      |
| Recommended Dilution:   | WB: 500-2000<br>WB positive control: HL-60 cell lysate<br>IHC: 50-100<br>Positive control: Human tonsil<br>Predicted cell location: Secreted |
| Reactivity:             | Human                                                                                                                                        |
| Host:                   | Rabbit                                                                                                                                       |
| Isotype:                | IgG                                                                                                                                          |
| Clonality:              | Polyclonal                                                                                                                                   |
| Immunogen:              | Synthetic peptide of human IL9                                                                                                               |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol                                                                                             |
| Purification:           | Antigen affinity purification                                                                                                                |
| Conjugation:            | Unconjugated                                                                                                                                 |
| Storage:                | Store at -20°C.                                                                                                                              |
| Stability:              | 1 year                                                                                                                                       |
| Predicted Protein Size: | 16 kDa                                                                                                                                       |
| Gene Name:              | interleukin 9                                                                                                                                |
| Database Link:          | <a href="#">Entrez Gene 3578 Human P15248</a>                                                                                                |

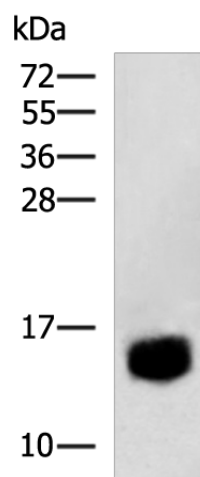
**Background:** The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (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.



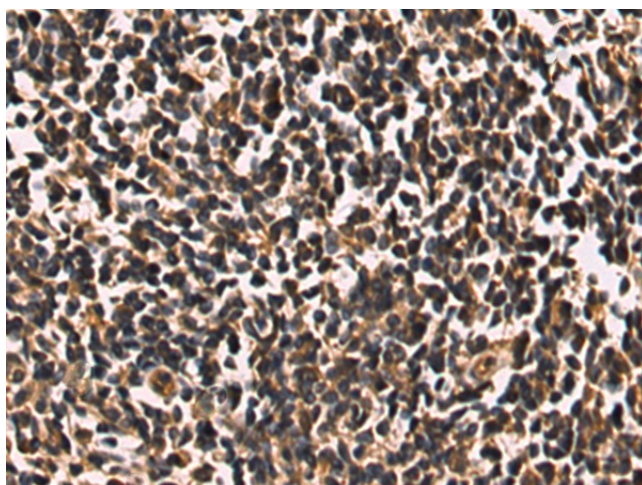
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Synonyms: HP40; IL-9; P40

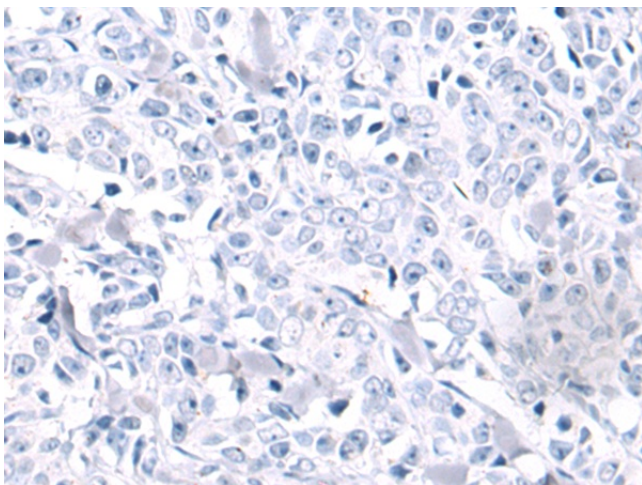
### Product images:



Gel: 12%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: HL-60 cell lysate  
Primary antibody: [TA368254] (IL9 Antibody) at dilution 1/250  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 3 minutes



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA368254] (IL9 Antibody) at dilution 1/30 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA368254] (IL9 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)