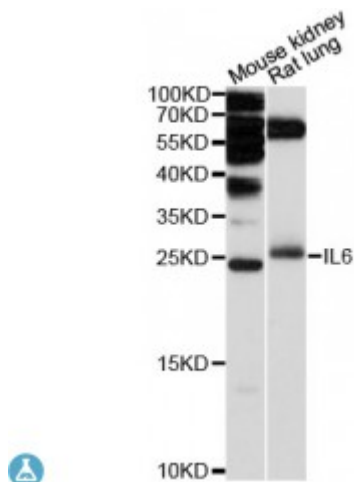


## Anti-IL6 Antibody



### Description

This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Alternative splicing results in multiple transcript variants.

|                       |                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>          | STJ113711                                                                                                                                |
| <b>Host</b>           | Rabbit                                                                                                                                   |
| <b>Reactivity</b>     | Mouse, Rat                                                                                                                               |
| <b>Applications</b>   | WB                                                                                                                                       |
| <b>Immunogen</b>      | Recombinant fusion protein containing a sequence corresponding to amino acids 30-212 of human IL6 (NP_000591.1).                         |
| <b>Gene ID</b>        | <a href="#">3569</a>                                                                                                                     |
| <b>Gene Symbol</b>    | <a href="#">IL6</a>                                                                                                                      |
| <b>Dilution range</b> | WB 1:200 - 1:500                                                                                                                         |
| <b>Purification</b>   | Affinity purification                                                                                                                    |
| <b>Note</b>           | For Research Use Only (RUO).                                                                                                             |
| <b>Protein Name</b>   | Interleukin-6 IL-6 B-cell stimulatory factor 2 BSF-2 CTL differentiation factor CDF Hybridoma growth factor Interferon beta-2 IFN-beta-2 |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 23.718 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>              | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Database Links</b>                   | <a href="#">HGNC:6018OMIM:147620Reactome:R-HSA-1059683</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Alternative Names</b>                | Interleukin-6 IL-6 B-cell stimulatory factor 2 BSF-2 CTL differentiation factor CDF Hybridoma growth factor Interferon beta-2 IFN-beta-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>                         | Cytokine with a wide variety of biological functions, It is a potent inducer of the acute phase response, Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation, Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS, Required for the generation of T(H)17 cells, Also acts as a myokine, It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance, It induces myeloma and plasmacytoma growth and induces nerve cells differentiation |
| <b>Cellular Localization</b>            | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Post-translational Modifications</b> | N- and O-glycosylated,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |