

## Rabbit IL-6 Polyclonal Antibody | anti-IL6 antibody

RABBIT ANTI HUMAN INTERLEUKIN-6

|                              |                       |                                                                                                        |
|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49919</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunofluorescence, Functional Assay, ELISA</b> |
|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------|

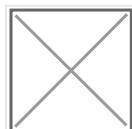
### PRODUCT SYNONYMS

IL-6; Polyclonal Antibody; RABBIT ANTI HUMAN INTERLEUKIN-6; anti-IL6 antibody

### PRODUCT SPECIFICATIONS

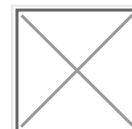
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                   | Purified<br>Purified IgG - lyophilised                                                                                                                                                                                                                                                                                                                                                                |
| Concentration                                 | IgG concentration 1.0 mg/ml after reconstitution (varies by lot)                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                               | 212                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-IL6 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FA (Functional Assay), ELISA                                                                                                                                                                                                                                                                                                  |
| Reconstitution                                | Reconstitute with 0.1ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add sodium azide                                             |
| Immunogen                                     | Recombinant human IL-6<br>Buffer Solution                                                                                                                                                                                                                                                                                                                                                             |
| Antiserum Preparation                         | Antisera to human IL-6 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.                                                                                                                                                                                                                                               |
| Target Species                                | Human                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                       | Prior to reconstitution store at 4 degree C. After reconstitution store at -20 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution. |

### IMAGES



#### Application Data

Immunofluorescent staining of PC3, prostate cancer cells with Rabbit anti Human interleukin-6 (AAA49919), green; counterstained with tubulin, red and nuclei, blue



#### Application Data

Immunofluorescent staining of HeLa cells with Rabbit anti Human interleukin-6 (AAA49919), green; counterstained with tubulin, red and nuclei, blue

**Application Data**

Immunofluorescent staining of BJ human foreskin fibroblast cells with Rabbit anti Human interleukin-6 (AAA49919), green; counterstained with tubulin, red and nuclei, blue

**Application Data**

Staining of formalin fixed, paraffin embedded human cervical squamous cell carcinoma with Rabbit anti Human interleukin-6 (AAA49919)

**ADDITIONAL INFORMATION****Related Product Information for anti-IL6 antibody**

Rabbit anti Human Interleukin-6 antibody is specific for human IL-6 (Interleukin-6), a 184 amino acid multifunctional pro-inflammatory cytokine, secreted by activated T cells, macrophages, endothelial cells, fibroblasts and osteoblasts. The diverse biological properties of IL-6 include the principle inducer of the acute phase response in the liver, stimulation of B cell differentiation and subsequent immunoglobulin production, promotion of hybridoma growth, regulation of bone metabolism and stimulation of energy mobilisation in muscle and fatty tissue. IL-6 signals through a membrane bound receptor complex consisting of the ligand-binding IL-6Ra chain (CD126) and the signal-transducing component gp130 (CD130), but can also stimulate cells expressing gp130 through a soluble IL-6R. Rabbit anti Human Interleukin-6 antibody has been shown to inhibit the biological activity of Human IL-6.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 10834984                                                                                                                                                                                                         |
| NCBI GeneID                      | 3569                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_000591.1                                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_000600.3                                                                                                                                                                                                      |
| UniProt Accession #              | P05231; Q9UCU2; Q9UCU3; Q9UCU4                                                                                                                                                                                   |
| Molecular Weight                 | 23,718 Da                                                                                                                                                                                                        |
| NCBI Official Full Name          | interleukin-6                                                                                                                                                                                                    |
| NCBI Official Synonym Full Names | interleukin 6                                                                                                                                                                                                    |
| NCBI Official Symbol             | IL6                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | HGF; HSF; BSF2; IL-6; IFNB2                                                                                                                                                                                      |
| NCBI Protein Information         | interleukin-6; B-cell differentiation factor; B-cell stimulatory factor 2; BSF-2; CDF; CTL differentiation factor; IFN-beta-2; hybridoma growth factor; interferon beta-2; interferon, beta 2; interleukin BSF-2 |
| UniProt Protein Name             | Interleukin-6                                                                                                                                                                                                    |
| UniProt Gene Name                | <b>IL6</b>                                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | IFNB2; IL-6; BSF-2; CDF; IFN-beta-2                                                                                                                                                                              |
| UniProt Entry Name               | IL6_HUMAN                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-6-antibody-western-blot-immunohistochemistry-immunofluorescence-functional-assay-elisa/49919>