

# Anti-Rat IL-6 Antibody

Catalog # ABG10294

## Product Information

|                    |            |
|--------------------|------------|
| <b>Application</b> | WB, IHC, E |
| <b>Reactivity</b>  | Rat        |
| <b>Host</b>        | Goat       |
| <b>Clonality</b>   | Polyclonal |

## Additional Information

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Preparation</b>          | Produced from sera of goats pre-immunized with highly pure recombinant Rat IL-6. Anti-Rat IL-6 specific antibody was purified by affinity chromatography employing immobilized Rat IL-6 matrix.                                                                                                                                                                                                                                                       |
| <b>WesternBlot</b>          | To detect Rat IL-6 by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 $\mu$ g/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Rat IL-6 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.                                                                                                                                                      |
| <b>Sandwich</b>             | To detect Rat IL-6 by sandwich ELISA (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems' Biotinylated Anti-Rat IL-6 (62-006GBT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Rat IL-6.                                                                               |
| <b>Immunohistochemistry</b> | This antibody stained colchicine injected rat brain (cingulate cortex) tissue. The primary antibody was incubated at 1.0 $\mu$ g/ml overnight at 4 °C. This was followed by a peroxidase conjugated secondary antibody and then a fluorescein Tyramide Signal Amplification (TSA™) reagent. Optimal concentrations and conditions may vary.<br><small>Information and photo are courtesy of the Tissue Profiling group, SciLifeLab Stockholm.</small> |
| <b>Neutralization</b>       | To yield one-half maximal inhibition [ND <sub>50</sub> ] of the biological activity of Rat IL-6 (0.1 ng/ml), a concentration of 0.12-0.18 $\mu$ g/ml of this antibody is required.                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>          | A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reconstitution</b>       | Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>              | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Precautions</b>          | Anti-Rat IL-6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                              |