Anti-IL2 Antibody

Description
The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

Model
STJ24180

Host
Rabbit

Reactivity
Human

Applications
IHC, WB

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 21-153 of human IL2 (NP_000577.2).

Gene ID
3558

Gene Symbol
IL2

Dilution range
WB 1:500 - 1:2000
IHC 1:50 - 1:100

Purification
Affinity purification

Note
For Research Use Only (RUO).

Protein Name
Interleukin-2 IL-2 T-cell growth factor TCGF Aldesleukin
<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>17.628 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Conjugation</strong></td>
<td>Unconjugated</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Formulation</strong></td>
<td>PBS with 0.02% sodium azide, 50% glycerol, pH7.3.</td>
</tr>
<tr>
<td><strong>Storage Instruction</strong></td>
<td>Store at -20C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Database Links</strong></td>
<td>HGNC:6001 OMIM:147680 Reactome:R-HSA-114604</td>
</tr>
<tr>
<td><strong>Alternative Names</strong></td>
<td>Interleukin-2 IL-2 T-cell growth factor TCGF Aldesleukin</td>
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<tr>
<td><strong>Function</strong></td>
<td>Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response, Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells</td>
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<tr>
<td><strong>Cellular Localization</strong></td>
<td>Secreted</td>
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