

## Anti-IL2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

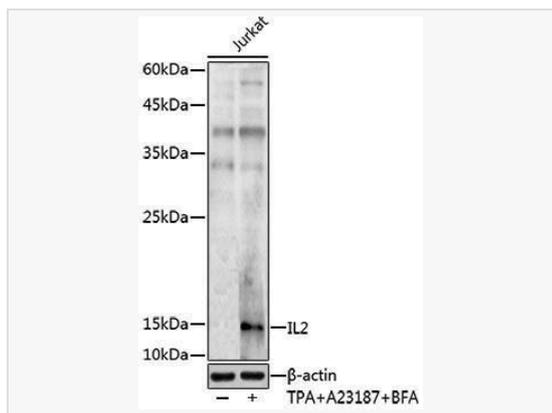
Catalog # P100136

### Product Information

|             |   |
|-------------|---|
| Application | WB, ELISA   |
| Reactivity  | Human   |
| Dilution    | WB 1:500~1:1,000  |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | Recombinant fusion protein containing a sequence corresponding to amino acids 21-153 of human IL2 (NP_000577.2).            |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-IL2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.                       |

### Protein Information

|               |   |
|---------------|---|
| Synonyms      | IL-2; TCGF; lymphokine; IL2.  |
| Calculated MW | Calculated MW: 18 kDa; Observed MW: 15-20 kDa   |
| Uniprot ID    | P60568  |
| Gene ID       | 3558  |
| Background    | This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4 <sup>+</sup> and CD8 <sup>+</sup> T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and 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. |



Western blot analysis of lysates from Jurkat cells, using IL2 Rabbit pAb (P100136) at 1:1,000 dilution. Jurkat cells were treated by TPA (40 nM), A23187 (2 $\mu$ M) and Brefeldin A (300 ng / ml) for 0-24hours

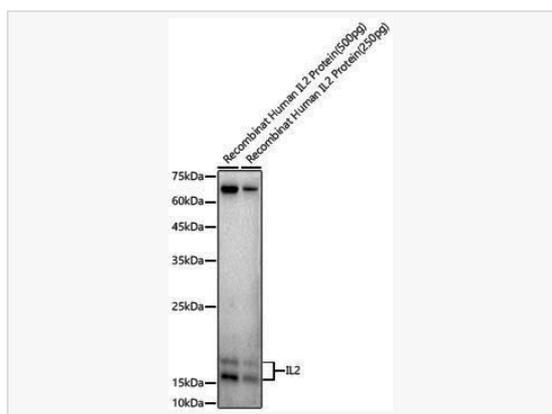
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit.

Exposure time: 180s.



Western blot analysis of Recombinant Human IL2 Protein, using IL2 Rabbit pAb (P100136) at 1:1,000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 500pg/250pg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit.

Exposure time: 180s.