

Basic Information

Product Name	Anti-IL2 Antibody
Gene Name	IL2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived rat IL-2 recombinant protein (Position: A21-Q155). Rat IL-2 shares 66% and 80% amino acid (aa) sequence identity with human and mouse IL-2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	18 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

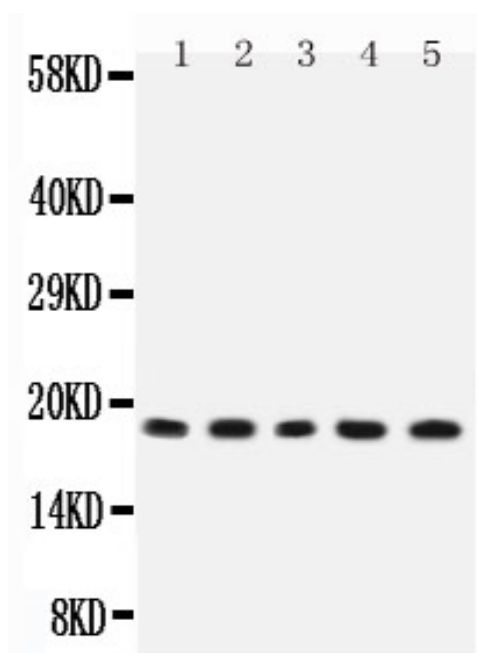
Background Information

Interleukin-2 (IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2 (IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. This gene for interleukin 2 (IL2) is assigned to chromosome 4. IL-2 is a 15.5KDa glycoprotein, consisting of 153 amino acids in precursor form and 133 amino acids in mature form.

Reference

Anti-IL2 Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of IL2 using anti-IL2 antibody (PB0059). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat Thymus tissue lysates,

Lane 2: Rat Liver tissue lysates,

Lane 3: NRK whole cell lysates,

Lane 4: PC12 whole cell lysates,

Lane 5: RH35 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IL2 antigen affinity purified polyclonal antibody (PB0059) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IL2 at approximately 18 kDa. The expected band size for IL2 is at 18 kDa.