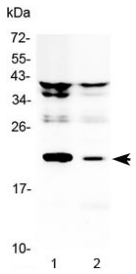
# Il11 Antibody (R32888)

| Catalog No. | Formulation | Size |
|---|---|---|
| R32888 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| **UniProt** | Q99MF5 |
| **Applications** | Western Blot: 0.5-1ug/ml<br>Direct ELISA (recombinant rat protein): 0.1-0.5ug/ml (BSA-free format available) |
| **Limitations** | This Il11 antibody is available for research use only. |




Western blot testing of 1) rat liver and 2) rat kidney lysate with Il11 antibody at 0.5ug/ml. Predicted molecular weight: 19-23 kDa.

## Description

Interleukin 11 (IL-11) is a protein that in humans is encoded by the IL11 gene. The protein encoded by this gene is a member of the gp130 family of cytokines. This gene is mapped to 19q13.42. It is a key regulator of multiple events in hematopoiesis, most notably the stimulation of megakaryocyte maturation. IL-11 has been demonstrated to improve platelet recovery after chemotherapy-induced thrombocytopenia, induce acute phase proteins, modulate antigen-antibody responses, participate in the regulation of bone cell proliferation and differentiation and could be use as a therapeutic for osteoporosis. What's more, IL-11 can stimulate the growth of certain lymphocytes and it has functions in many other

tissues, including the brain, gut, testis and bone. In transgenic mice, overexpression of the human IL11 gene resulted in the stimulation of bone formation to increase cortical thickness and strength of long bones.

## Application Notes

Optimal dilution of the Il11 antibody should be determined by the researcher.

## Immunogen

A recombinant rat protein corresponding to amino acids P25-L199 was used as the immunogen for the Il11 antibody.

## Storage

After reconstitution, the Il11 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.