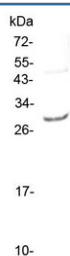


## IL-27 Antibody (alpha subunit) (RQ4400)

Catalog No.	Formulation	Size
RQ4400	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q8K3I6
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml (recombinant mouse protein) (BSA-free format available)
<b>Limitations</b>	This IL-27 antibody is available for research use only.



Western blot testing of rat NRK cell lysate with IL-27 antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.

## Description

Interleukin 27 (IL-27) is a member of the IL-12 cytokine family. The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR).

## Application Notes

Optimal dilution of the IL-27 antibody should be determined by the researcher.

## Immunogen

A mouse partial recombinant protein corresponding to amino acids F29-S234 was used as the immunogen for the IL-27 antibody.

## Storage

After reconstitution, the IL-27 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.