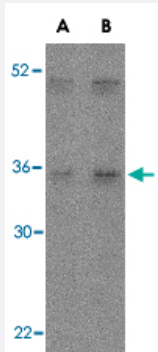


# IL27 polyclonal antibody

Catalog # PAB13200      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of IL27 in Daudi lysate with IL27 polyclonal antibody (Cat # PAB13200) at (A) 2 and (B) 4 ug/mL .

## Specification

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of IL27.                                                    |
| <b>Immunogen</b>           | A synthetic peptide corresponding to internal region 14 amino acids of human IL27.                                      |
| <b>Host</b>                | Rabbit                                                                                                                  |
| <b>Reactivity</b>          | Human, Mouse                                                                                                            |
| <b>Form</b>                | Liquid                                                                                                                  |
| <b>Recommend Usage</b>     | Western Blot (2-4 ug/mL)<br>The optimal working dilution should be determined by the end user.                          |
| <b>Storage Buffer</b>      | In PBS (0.02% sodium azide)                                                                                             |
| <b>Storage Instruction</b> | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of IL27 in Daudi lysate with IL27 polyclonal antibody (Cat # PAB13200) at (A) 2 and (B) 4 ug/mL .

## Gene Info — IL27

**Entrez GeneID** [246778](#)

**Protein Accession#** [NP\\_663634](#)

**Gene Name** IL27

**Gene Alias** IL-27, IL-27A, IL27p28, IL30, MGC71873, p28

**Gene Description** interleukin 27

**Omim ID** [608273](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** 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). [provided by RefSeq]

**Other Designations** IL-27 p28 subunit|OTTHUMP00000122516|interleukin 30|interleukin-27 subunit alpha

## Publication Reference

- [WSX-1 and glycoprotein 130 constitute a signal-transducing receptor for IL-27.](#)

Pflanz S, Hibbert L, Mattson J, Rosales R, Vaisberg E, Bazan JF, Phillips JH, McClanahan TK, de Waal Malefyt R, Kastelein RA.

Journal of Immunology 2004 Feb; 172(4):2225.

- [Potent antitumor activity of interleukin-27.](#)

Hisada M, Kamiya S, Fujita K, Belladonna ML, Aoki T, Koyanagi Y, Mizuguchi J, Yoshimoto T.

Cancer Research 2004 Feb; 64(3):1152.

- [IL-27, a heterodimeric cytokine composed of EBI3 and p28 protein, induces proliferation of naive CD4\(+\) T cells.](#)

Pflanz S, Timans JC, Cheung J, Rosales R, Kanzler H, Gilbert J, Hibbert L, Churakova T, Travis M, Vaisberg E, Blumenschein WM, Mattson JD, Wagner JL, To W, Zurawski S, McClanahan TK, Gorman DM, Bazan JF, de Waal Malefyt R, Rennick D, Kastelein RA.

Immunity 2002 Jun; 16(6):779.

## Disease

- [Asthma](#)
- [Brain Neoplasms](#)
- [Bronchiolitis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
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