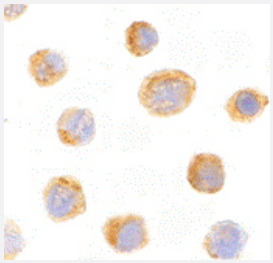
IL27 polyclonal antibody

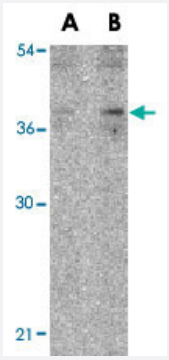
Catalog # PAB13199 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of IL27 in EL4 with IL27 polyclonal antibody (Cat # PAB13199) at 10 ug/mL .



Western Blot (Cell lysate)

Western blot analysis of IL27 in EL4 lysate with IL27 polyclonal antibody (Cat # PAB13199) at (A) 2 and (B) 4 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IL27.
Immunogen	A synthetic peptide corresponding to N-terminus 16 amino acids of human IL27.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (2-4 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunocytochemistry

  Immunocytochemistry of IL27 in EL4 with IL27 polyclonal antibody (Cat # PAB13199) at 10 ug/mL .

- Western Blot (Cell lysate)

  Western blot analysis of IL27 in EL4 lysate with IL27 polyclonal antibody (Cat # PAB13199) 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

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- New IL-12-family members: IL-23 and IL-27, cytokines with divergent functions.

  Hunter CA.

  Nature Reviews. Immunology 2005 Jul; 5(7):521.

  Application: ELISA, Human, Mouse, T cells

- 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.

Disease

- Asthma
- Brain Neoplasms
- Bronchiolitis
- Colitis
- Crohn Disease
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Glioma
- Infant
- Inflammatory Bowel Diseases
- Nasopharyngeal Neoplasms
- Pulmonary Disease
- Respiratory Syncytial Virus Infections

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