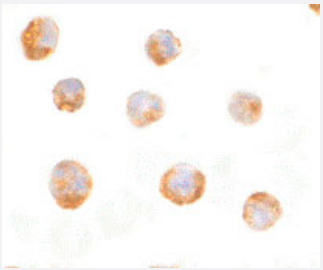
IL23A polyclonal antibody

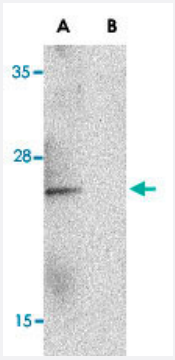
Catalog # PAB13197 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of IL23A in Raji cells with IL23A polyclonal antibody (Cat # PAB13197) at 10 ug/mL .



Western Blot (Cell lysate)

Western blot analysis of IL23A in Raji lysate with IL23A polyclonal antibody (Cat # PAB13197) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IL23A.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human IL23A.
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 IL23A in Raji cells with IL23A polyclonal antibody (Cat # PAB13197) at 10 ug/mL .

- Western Blot (Cell lysate)

  Western blot analysis of IL23A in Raji lysate with IL23A polyclonal antibody (Cat # PAB13197) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.

Gene Info — IL23A

Entrez GeneID	51561
Protein Accession#	AAH66268
Gene Name	IL23A
Gene Alias	IL-23, IL-23A, IL23P19, MGC79388, P19, SGRF
Gene Description	interleukin 23, alpha subunit p19
Omim ID	605580
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is compose d of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by th e beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can ac tivate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells. [provided by RefSeq
Other Designations	JKA3 induced upon T-cell activation|interleukin 23 p19 subunit

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

- Regulation of virus-induced IL-12 and IL-23 expression in human macrophages.

  Pirhonen J, Matikainen S, Julkunen I.

  Journal of Immunology 2002 Nov; 169(10):5673.

  Application: WB-Ce, Human, Human macrophages

- Novel p19 protein engages IL-12p40 to form a cytokine, IL-23, with biological activities similar as well as distinct from IL-12.

  Oppmann B, Lesley R, Blom B, Timans JC, Xu Y, Hunte B, Vega F, Yu N, Wang J, Singh K, Zonin F, Vaisberg E, Churakova T, Liu M, Gorman D, Wagner J, Zurawski S, Liu Y, Abrams JS, Moore KW, Rennick D, de Waal-Malefyt R, Hannum C, Bazan JF, Kastelein RA.

  Immunity 2000 Nov; 13(5):715.

  Application: WB-Ce, WB-Tr, Human, Mouse, 293T, DCs

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Arthritis
- Crohn Disease
- Genetic Predisposition to Disease
- Hepatitis C
- Psoriasis
- Scleroderma

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