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Anti-IL-23 P19 Antibody
Catalog # ABO10789

Specification

Anti-IL-23 P19 Antibody - Product Information

Application	**WB**
Primary Accession	Q9EQ14
Host	**Rabbit**
Reactivity	**Mouse**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Interleukin-23 subunit alpha(IL23A) detection. Tested with WB in Mouse.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IL-23 P19 Antibody - Additional Information

Gene ID 83430

Other Names
Interleukin-23 subunit alpha, IL-23 subunit alpha, IL-23-A, Interleukin-23 subunit p19, IL-23p19, Il23a

Calculated MW
22071 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization
Secreted . Secreted upon association with IL12B.

Tissue Specificity
Secreted by activated dendritic cells (at protein level). Detected in various tissues with higher expression in polarized Th1 cells and activated macrophages. .

Protein Name
Interleukin-23 subunit alpha(IL-23 subunit alpha/IL-23-A)

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of mouse IL23 P19(29-48aa DWAQCQQLSRNLCMLAWNAH), different from the related rat sequence by two amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-IL-23 P19 Antibody - Protein Information

Name Il23a

Function
Associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of pro-inflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Cellular Location
Secreted. Note=Secreted upon association with IL12B

Tissue Location
Secreted by activated dendritic cells (at protein level). Detected in various tissues with higher expression in polarized Th1 cells and activated macrophages.

Anti-IL-23 P19 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IL-23 P19 Antibody - Images

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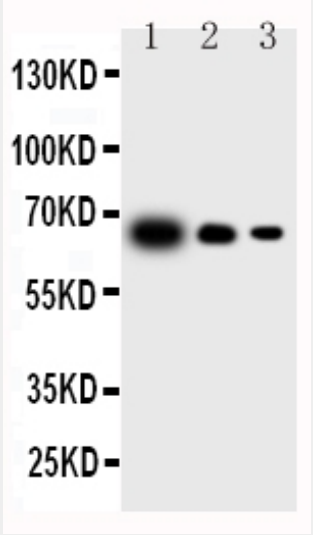

All lanes: Anti-IL23 P19Â antibody, ABO10789 Lane 1: Recombinant Mouse IL-23 Protein 10ng Lane 2: Recombinant Mouse IL-23 Protein 5ng Lane 3: Recombinant Mouse IL-23 Protein 2.5ng

Anti-IL-23 P19 Antibody - Background

IL-23, Interleukin-23, also known as Interleukin-23 subunit alphainin(IL23A), is a heterodimeric cytokine consisting of two subunits, one called p40, which is shared with another cytokine, IL-12, and another called p19(the IL-23 alpha subunit). The International Radiation Hybrid Mapping Consortium mapped the IL-23 gene to chromosome 12. IL-23 is an important part of the inflammatory response against infection. It promotes upregulation of the matrix metalloprotease MMP9, increases angiogenesis and reduces CD8+ T-cell infiltration.