

IL23A Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22239c

Product Information

Application WB, FC, E **Primary Accession** Q9NPF7

Reactivity Human, Rat, Mouse

HostRabbitClonalitypolyclonalIsotypeRabbit IgGClone NamesRB56752

Additional Information

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

subunit p19, IL-23p19, IL23A, SGRF

Target/Specificity This IL23A antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 33-67 amino acids from the Central

region of human IL23A.

Dilution WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions IL23A Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

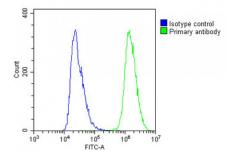
Background

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 proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

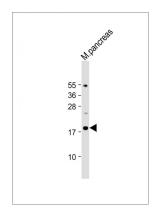
References

Oppmann B.,et al.Immunity 13:715-725(2000). Hirata Y.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases. Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Parham C.,et al.J. Immunol. 168:5699-5708(2002). Pirhonen J.,et al.J. Immunol. 169:5673-5678(2002).

Images



Overlay histogram showing A431 cells stained with AP22239c(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Anti-IL23A Antibody (Center) at 1:2000 dilution + Mouse pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.