

Rabbit anti-Rhesus IL-18 Polyclonal Antibody | anti-IL-18 antibody

IL-18 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG # AAA258705	HOST Rabbit	REACTIVITY Rhesus	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

IL-18; Polyclonal Antibody; IL-18 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-IL-18 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rhesus
Clonality	Polyclonal
Specificity	Rhesus IL-18
Applicable Applications for anti-IL-18 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Preparation	Produced in rabbits immunized with purified, recombinant Rhesus IL-18;. IL-18 specific IgG was purified by Rhesus IL-18 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

cynolIL18 was immunoprecipitated using;; Lane A:0.5 mg HeLa Whole Cell Lysate; Lane B:0.5 mg HL60 Whole Cell Lysate; Lane C:0.5 mg 293 Whole Cell Lysate; 4 uL anti-cynolIL18 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.; Primary antibody;; Anti-cynolIL18 rabbit polyclonal antibody,at 1:100 dilution; Secondary antibody;; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size: 21 kDa; Observed band size :21 kDa



WB (Western Blot)

Anti-IL-18 rabbit polyclonal antibody at 1:500 dilution; Lane A: Hela Whole Cell Lysate; Lysates/proteins at 30 ug per lane.; Secondary; Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.; Developed using the ECL technique.; Performed under reducing conditions.; Predicted band size:22 kDa; Observed band size:22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-IL-18 antibody	Interleukin-18 (IL-18, also known as interferon-gamma inducing factor) is a proinflammatory cytokine that belongs to the IL-1 superfamily and is produced by macrophages and other cells. This cytokine can induce the IFN-gamma production of T cells. The combination of IL-18 and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity. IL-18 is an IL-1-like cytokine that requires cleavage with caspase-1 to become active, was found to increase IgE production in a CD4+ T cell -, IL-4- and STAT6-dependent fashion. IL-18 and T cell receptor-mediated stimulation could induce naive CD4+ T cells to develop into IL-4-producing cells in vitro. Thus, caspase-1 and IL-18 may be critical in the regulation of IgE production in vivo, providing a potential therapeutic target for allergic disorders. IL-18 production in primary synovial cultures and purified synovial fibroblasts was, in turn, upregulated by TNF-alpha and IL-1beta, suggesting that monokine expression can feedback to promote Th1 cell development in the synovial membrane. Besides, synergistic combinations of IL-18, IL-12, and IL-15 may be of importance in sustaining both Th1 responses and monokine production in RA.
Product Categories/Family for anti-IL-18 antibody	immunotherapy; Ligand; Drug Targets; Cytokine; IL-1 Family Ligand; Immunotherapy; Cancer; Autoimmune; Cardiovascular; IL1 signaling pathway; Cytokines; cytokine&growth factor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-18-antibody-immunoprecipitation-western-blot-elisa/258705>