

Rabbit anti-Human IL-18 Polyclonal Antibody | anti-IL18 antibody

Anti-IL-18 Antibody, Rabbit Polyclonal

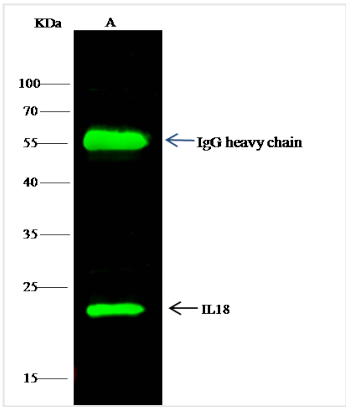
CATALOG # AAA254503	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

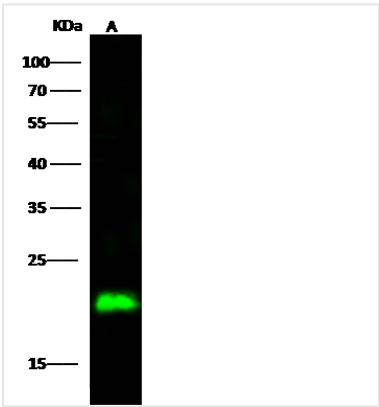
IL-18; Polyclonal Antibody; Anti-IL-18 Antibody; Rabbit Polyclonal; IL-18 Antibody; Rabbit PAb; Antigen Affinity Purified; interleukin 18; Anti-IGIF Antibody; Anti-IL-1g Antibody; Anti-IL1F4 Antibody; Anti-Interleukin 18 Antibody; anti-IL18 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human IL-18
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL18 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human IL-18 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human IL-18 (rh IL-18). IL-18 specific IgG was purified by Human 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 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
factorXa-IL18 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 1 uL anti-factorXa-IL18 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-factorXa-IL18 rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 22 kDa



WB (Western Blot)
Anti-factorXa-IL18 rabbit polyclonal antibody at 1:500 dilution Lane A: Hela S3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-IL18 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-IL18 antibody	Neuroinflammation; IL1 signaling pathway
References	Dinarello CA. (1999) IL-18: A TH1-inducing, proinflammatory cytokine and new member of the IL-1 family. J Allergy Clin Immunol. 103: 11-24. Takeda K, et al.. (1998) Defective NK cell activity and Th1 response in IL-18-deficit mice. Immunity. 8(3): 383-90. Gracie JA, et al.. (1999) A proinflammatory role for IL-18 in rheumatoid arthritis. J Clin Invest. 104(10): 1393-401.

NCBI AND UNIPROT INFORMATION

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
NCBI GenBank Nucleotide #	NM_001243211.1
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
Molecular Weight	22,326 Da
NCBI Official Full Name	interleukin-18 isoform 2 proprotein
NCBI Official Synonym Full Names	interleukin 18 (interferon-gamma-inducing factor)

NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18; IL-1 gamma; iboctadecin; interleukin-1 gamma; IFN-gamma-inducing factor
UniProt Protein Name	Interleukin-18
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-18-antibody-immunoprecipitation-western-blot-elisa/254503>