

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

Anti-IL-18 antibody

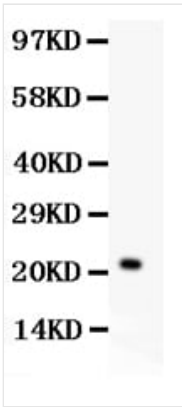
CATALOG # AAA45108	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

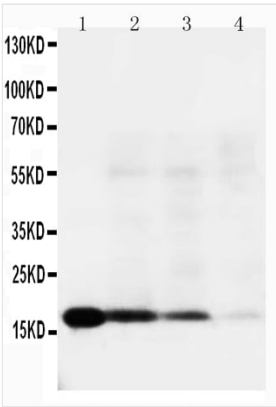
IL-18; Polyclonal Antibody; Anti-IL-18 antibody; anti-IL18 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	193
Applicable Applications for anti-IL18 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of Human IL18 (175-193aa KKEDELGDRSIMFTVQNED).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Western blot analysis of IL-18 expression in HELA whole cell lysates (lane 1). IL-18 at 22KD was detected using rabbit anti- IL-18 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.



WB (Western Blot)
Anti-IL-18 antibody, Western blottingLane 1: Recombinant Human IL-18 Protein 10ngLane 2: Recombinant Human IL-18 Protein 5ngLane 3: Recombinant Human IL-18 Protein 2.5ngLane 4: RAJI Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-IL18 antibody	Interleukin-18 also known as IL18 is a protein which in humans is encoded by the IL18 gene. The protein encoded by this gene is a proinflammatory cytokine.IL-18 is a cytokine produced by macrophages and other cells that belongs to the IL-1 superfamily. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12 it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide(LPS). After stimulation with IL-18, natural killer(NK) cells and certain T cells release another important cytokine called interferon-gamma(IFN-gamma) or type II interferon that plays an important role in activating the macrophages or other cells.The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production in B cells. IL-18 binding protein(IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity. The human interleukin 18 gene IL18 maps to 11q22.2-q22.3, closely linked to the DRD2 gene locus and distinct from mapped IDDM loci.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3219817
NCBI GeneID	3606
UniProt Accession #	Q14116; O75599; Q6FGY3; Q6WWJ7
NCBI Official Full Name	Interleukin-18
NCBI Official Synonym Full Names	interleukin 18
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4
NCBI Protein Information	interleukin-18; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor; interleukin 18 (interferon-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.