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## IL18 Rabbit pAb

Catalog Number: bs-55111R

Target Protein: IL18

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: Human (predicted:Mouse)

Predicted MW: 22 kDa

Entrez Gene: 3606

Swiss Prot: Q14116

Source: Recombinant human IL-18 : 37-193/193.

Purification: affinity purified by Protein A

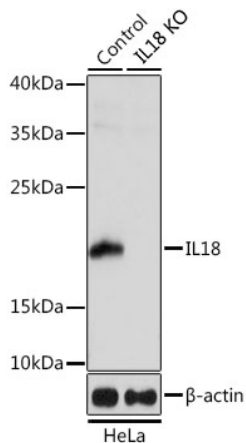
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

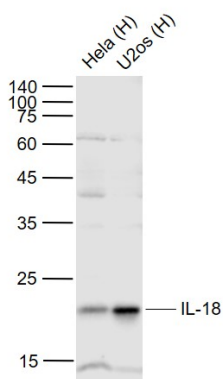
**Background:** IL18 (IFN-gamma-inducing factor, IGIF) is a novel pro-inflammatory cytokine that augments natural killer (NK) activity in spleen cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

### VALIDATION IMAGES

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Sample: Lane 1: HeLa (Human) Cell Lysate at 25 ug Lane 2: IL18 knockout (KO) HeLa (Human) Cell Lysate at 25 ug Primary: Anti-IL18 (bs-55111R) at 1/1000 dilution Secondary: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution Predicted band size: 23 kD Observed band size: 21 kD



Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug Lane 2: U2os (Human) Cell Lysate at 30 ug Primary: Anti-IL-18 (bs-55111R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 21 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.8] Hong Zhu. et al. CD73 mitigates hepatic damage in alcoholic steatohepatitis by regulating PI3K/AKT-mediated hepatocyte pyroptosis. BIOCHEM PHARMACOL. 2023 Sep;215:115753 WB ; Mouse . 37611643

[IF=6.1] Xiang Li. et al. Riboflavin Attenuates Fluoride-Induced Testicular Injury via Interleukin 17A-Mediated Classical Pyroptosis. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ; Mouse . 38475697

[IF=5.6] Yuan Li. et al. Irbesartan ameliorates diabetic nephropathy by activating the Nrf2/Keap1 pathway and suppressing NLRP3 inflammasomes in vivo and in vitro. INT IMMUNOPHARMACOL. 2024 Apr;131:111844 WB ; Mouse . 38503013

[IF=3.647] Yunhai Luo. et al. SET8 mitigates hepatic ischemia/reperfusion injury in mice by suppressing MARK4/NLRP3 inflammasome pathway. Life Sci. 2021 May;273:119286 WB ; Mouse . 33662429

[IF=3.6] Muhammad Tahir. et al. PM2.5 exposure elevates hepatic injury in hyperlipidemic mice via ROS-pyroptosis signaling pathway. ENV POLLUT BIOAVAIL. 2024 Nov 23 WB ; Mouse . 10.1080/26395940.2024.2429506