

Product Name: [KO Validated] IL-18 Rabbit pAb

Catalog #: Z5762-20; Z5762-100

Also Known As: IL18; IGIF; IL-18; IL-1g; IL1F4

Quantity: 20 µl for Z5762-20; 100 µl for Z5762-100

Concentration: See labels on tube

Host Species: Rabbit

Isotype: IgG

Reactivity: Human, Mouse, Rat

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 37-193 of human IL18.

Swiss Prot. #: Q14116

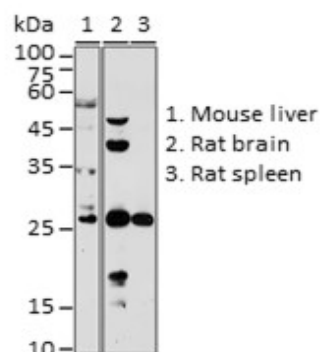
Calculated MW: 22kDa

Detected MW: 22kDa

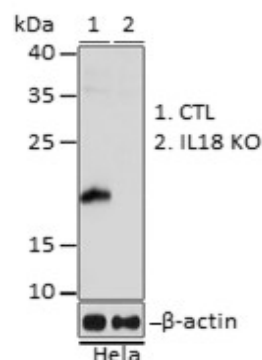
Applications: WB (1:500 - 1:2,000)
IP (1:50 - 1:100)
IHC (not tested)
IF (not tested)

Note: Antibody dilution should be optimized by users.

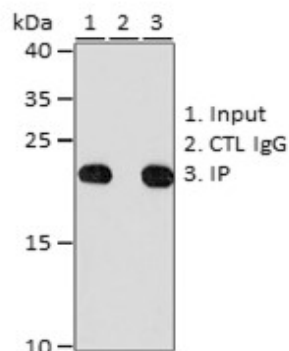
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using IL18 antibody (Z5762) at 1:1,000 dilution.



Immunoblotting 25 µg whole cell extracts of normal (control) and IL18 knockout (KO) HeLa cells using IL18 antibody (Z5762) at 1:1000 dilution.



Immunoprecipitation of 200 µg HeLa cell extracts using 3 µg IL18 antibody (Z5762). Immunoblotting: same antibody at 1:1,000 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	IL-18 belongs to the IL-1 family. It's a proinflammatory cytokine primarily involved in polarized T-helper 1 (Th1) cell and natural killer (NK) cell immune responses. Upon binding to IL18R1 and IL18RAP, forms a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells.
Reference:	<ol style="list-style-type: none">1. Okamura H, et al. (1995) Nature 378, 88-91.2. Henao-Mejia J, et al. (2012) Nature 482, 179-185.