

Polyclonal Antibody to Interleukin 18 (IL18)

Interleukin 18

Catalog # AP74544

Product Information

Application	WB
Primary Accession	Q9XSQ7
Reactivity	Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22058

Additional Information

Gene ID	100034216
Other Names	IGIF; IL-1g; IL1F4; IL1-F4; Interferon-Gamma-Inducing Factor; Interleukin-1 Family Member 4; Iboctadekin; Interleukin-1 Gamma
Target/Specificity	Equus caballus; Equine (Horse)
Dilution	WB~~Western blotting: 0.2-2 µg/mL;1:250-2500 Immunohistochemistry: 5-20 µg/mL;1:25-100 Immunocytochemistry: 5-20 µg/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

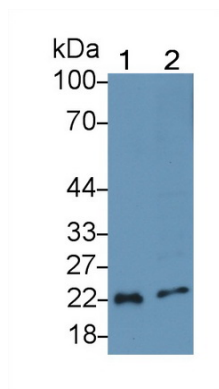
Protein Information

Name	IL18
Synonyms	IGIF
Function	Pro-inflammatory cytokine primarily involved in epithelial barrier repair, 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. Involved in transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q14116}. Secreted {ECO:0000250|UniProtKB:Q14116}. Note=The precursor is cytosolic. In response to inflammasome-activating signals, cleaved and secreted Mature form is secreted and released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore. In contrast, the precursor form is not released, due to the presence of an acidic region that is proteolytically removed by CASP1, CASP4 or CASP5 during maturation. The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10 {ECO:0000250|UniProtKB:Q14116}

Images



Western Blot; Sample: Lane1: Equine Spleen lysate;
Lane2: HepG2 cell lysate Primary Ab: 1 µg/ml Rabbi

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.