

IL-18 Rabbit mAb
Catalog # AP75611**Specification**

IL-18 Rabbit mAb - Product Information

Application	WB, IHC
Primary Accession	Q14116
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22326

IL-18 Rabbit mAb - Additional Information**Gene ID** 3606**Other Names**

IL18

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

IL-18 Rabbit mAb - Protein Information**Name** IL18 ([HGNC:5986](#))**Synonyms** IGIF, IL1F4**Function**

Pro-inflammatory cytokine primarily involved in epithelial barrier repair, polarized T-helper 1 (Th1) cell and natural killer (NK) cell immune responses (PubMed: [10653850](http://www.uniprot.org/citations/10653850)). Upon binding to IL18R1 and IL18RAP, forms a signaling ternary complex which activates NF-kappa-B, triggering synthesis of inflammatory mediators (PubMed: [14528293](http://www.uniprot.org/citations/14528293), PubMed: [25500532](http://www.uniprot.org/citations/25500532), PubMed: [37993714](http://www.uniprot.org/citations/37993714)). Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells and natural killer (NK) cells (PubMed: [10653850](http://www.uniprot.org/citations/10653850)). 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 (PubMed: [33883744](http://www.uniprot.org/citations/33883744)).

Cellular Location

Cytoplasm, cytosol. Secreted. Note=The precursor is cytosolic (PubMed:33883744). In response to inflammasome-activating signals, cleaved and secreted (PubMed:33883744, PubMed:37993712, PubMed:37993714). Mature form is secreted and released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore (PubMed:33883744, PubMed:37993714). 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 (PubMed:33883744, PubMed:37993714). The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10 (PubMed:32272059).

Tissue Location

[Isoform 2]: Expressed in ovarian carcinoma but undetectable in normal ovarian epithelial cells. Resistant to proteolytic activation by caspase-1 and -4

IL-18 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-18 Rabbit mAb - Images



