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# Human Interleukin-18 (IL-18) neoepitope polyclonal antibody

Category	polyclonal antibody
Catalog No.	B-I-002
Applications	WB
Reactivity	Human

#### **Immunogen information**

Immunogen	human IL-18 (37-44) peptide
UniProt ID	Q14116
Synonyms	IGIF, IL1F4
Gene ID	3606

#### **Product information**

Source	Rabbit
Isotype	IgG
<b>Purification method</b>	Affinity purification
Lot No.	001
Concentration	0.5 mg/mL
Buffer	50% glycerol/PBS, pH7.4, w/o sodium azide
Storage	Store at -20°C.

### **Recommended dilutions**

**WB** 1:1000 – 1:2000



# Characterization of polyclonal Ab against the neoepitope of human IL-18 cleaved by inflammatory caspase-1/4

Rabbit anti-human IL-18 neoepitope polyclonal antibody (Catalog # B-I-002, upper panel) selectively recognized human IL-18<sup>37-193</sup> cleaved by caspase-4 *in vitro*, but not IL-18<sup>37-193</sup> with N-terminal Met. Antihuman IL-18 mAb (Catalog # R-I-001, lower panel) recognized both proteins.

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#### Background

This gene encodes a member of the interleukin-1 (IL-1) family of cytokines. In addition to its role in the inflammatory response to microbes, recent studies implicate IL-18 as an important factor in human autoimmune, autoinflammatory, allergic, neurological and metabolic diseases. Similar to IL-1 $\beta$ , pro-IL-18 is processed by inflammatory caspase-1 or caspase-4 to yield mature, active form (IL-18<sup>37-193</sup>).

**References for human IL-18 neoepitope polyclonal antibody (B-I-002)** 

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