

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

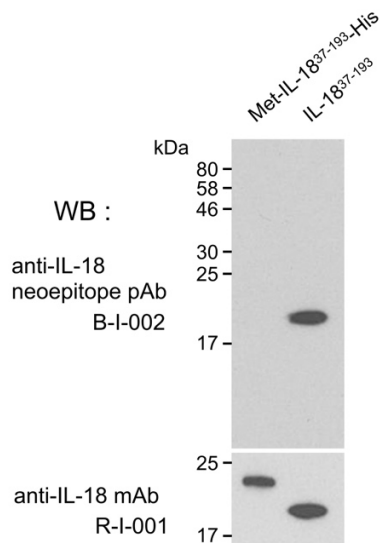
Product information

Source	Rabbit
Isotype	IgG
Purification method	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
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Western blot



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-18³⁷⁻¹⁹³ cleaved by caspase-4 *in vitro*, but not IL-18³⁷⁻¹⁹³ with N-terminal Met. Anti-human IL-18 mAb (Catalog # R-I-001, lower panel) recognized both proteins.

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 β , pro-IL-18 is processed by inflammatory caspase-1 or caspase-4 to yield mature, active form (IL-18³⁷⁻¹⁹³).

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