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Cleaved IL-18 (Tyr37) Rabbit mAb

Catalog No.: A24057

Recombinant | 2 Publications

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Basic Information

Observed MW
18KDa

Calculated MW
22KDa

Category
Monoclonal Antibodies

Applications
WB

Cross Reactivity
Human

Clone No.
ARC64645

Background

The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is constitutively found as a precursor within the cytoplasm of a variety of cells including macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by caspase-1, and is capable of stimulating interferon gamma production, and of regulating both T helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of different organs, and in potentially fatal conditions characterized by a cytokine storm. In humans, IL-18 gene is located on chromosome 11. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:1000 - 1:2000

Immunogen Information

Gene ID
3606

Swiss-Prot
Q14116

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
mature IL-18; Cleaved IL-18 (Tyr37)

Contact

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Product Information

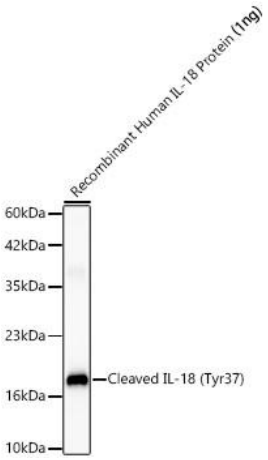
Source
Rabbit

Isotype
IgG

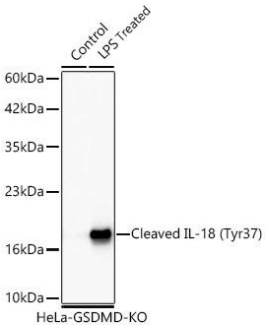
Purity
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of Recombinant Human IL-18 Protein (RP00006) using Cleaved IL-18 (Tyr37) Rabbit mAb (A24057) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 1 ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Western blot analysis of lysates from GSDMD knockout (KO) HeLa cells and GSDMD knockout (KO) HeLa cells treated with LPS using Cleaved IL-18 (Tyr37) Rabbit mAb (A24057) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:60s.
<b>WB samples for antibody validation are kindly provided by Dr. Feng Shao, NIBS< /b>