

A23076

Leader in Biomolecular Solutions for Life Science



IL18 Rabbit mAb

Catalog No.: A23076

Recombinant

1 Publications

Basic Information

Observed MW

22kDa

Calculated MW

22kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC56557

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	1:2000 - 1:8000
IHC-P	1:500 - 1:1000

Immunogen Information

Gene ID

3606

Swiss Prot

Q14116

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-193 of human IL18 (NP_001553.1).

Synonyms

IGIF; IL-18; IL-1g; IL1F4; IL18

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

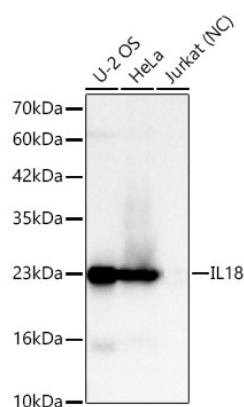
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

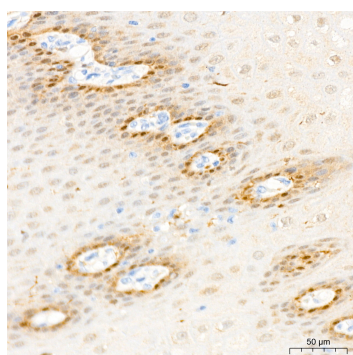
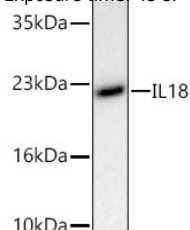
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

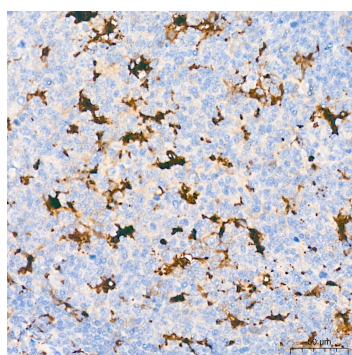


Western blot analysis of various lysates, using IL18 Rabbit mAb (A23076) at 1:7000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.

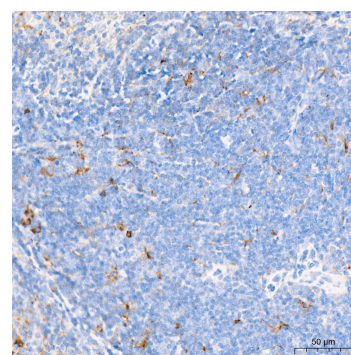
Western blot analysis of lysates from Rat spleen using IL18 Rabbit mAb (A23076) at 1:1000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L)(A5014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking Buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020)
 Exposure time: 45 s.



Immunohistochemistry analysis of IL18 in paraffin-embedded human esophagus tissue using IL18 Rabbit mAb (A23076) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

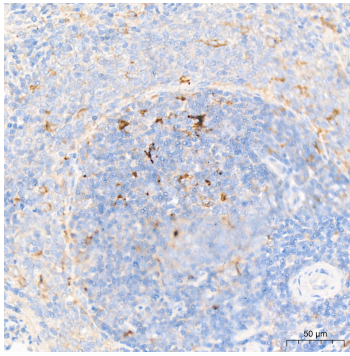


Immunohistochemistry analysis of IL18 in paraffin-embedded human tonsil tissue using IL18 Rabbit mAb (A23076) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of IL18 in paraffin-embedded mouse spleen tissue using IL18 Rabbit mAb (A23076) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of IL18 in paraffin-embedded rat spleen tissue using IL18 Rabbit mAb (A23076) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.