

IL18 Rabbit pAb

Catalog No.: A1115SP

Basic Information

Observed MW

18 kDa(mature form)/22 kDa(precursor)

Calculated MW

22 kDa

Category

Primary antibody

Applications

WB,IF-F,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables cytokine activity. Involved in lipid homeostasis; positive regulation of cell differentiation; and positive regulation of cold-induced thermogenesis. Acts upstream of or within several processes, including interleukin-18-mediated signaling pathway; positive regulation of NIK/NF-kappaB signaling; and positive regulation of interferon-gamma production. Located in extracellular space. Is expressed in several structures, including back skin; dorsal aorta; gut; lymphatic system; and reproductive system. Used to study atopic dermatitis. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; allergic rhinitis; autoimmune disease (multiple); biliary atresia; and hepatitis B. Orthologous to human IL18 (interleukin 18).

Recommended Dilutions

WB 1:300 - 1:10000

IF-F 1:100 - 1:400

IHC-P 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

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✉ | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

16173

Swiss Prot

P70380

Immunogen

This information is considered to be commercially sensitive.

Synonyms

IgIF; IL-18

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

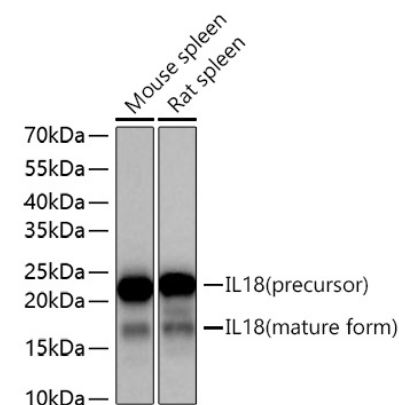
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.



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Validation Data



Western blot analysis of various lysates using IL18 Rabbit pAb (A1115SP) at 1:8000 dilution incubated overnight at 4°C.

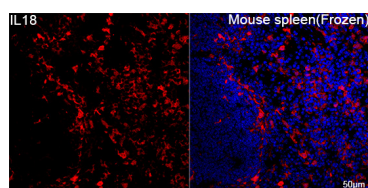
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

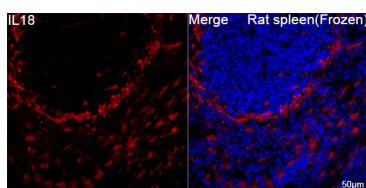
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

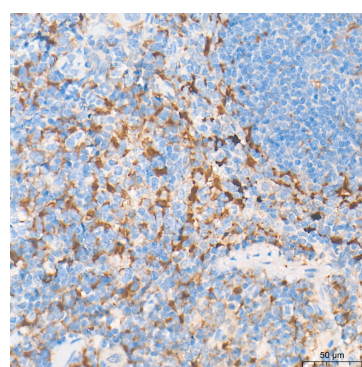
Exposure time: 45 s.



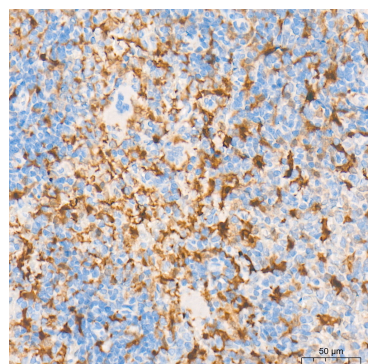
Confocal imaging of frozen sections of Mouse spleen tissue using IL18 Rabbit pAb (A1115SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Rat spleen tissue using IL18 Rabbit pAb (A1115SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using IL18 Rabbit pAb (A1115SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using IL18 Rabbit pAb (A1115SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.