

IFITM3 Rabbit mAb

Catalog No.: A29302 **Recombinant**

Basic Information

Observed MW

13-15 kDa

Calculated MW

15 kDa

Category

Primary antibody

Applications

WB,IP,IF-F,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC4113

Background

Involved in host-mediated suppression of symbiont invasion and response to virus. Acts upstream of or within defense response to other organism; negative regulation of cell population proliferation; and receptor-mediated endocytosis. Located in several cellular components, including apical part of cell; cell surface; and endoplasmic reticulum. Is expressed in several structures, including egg cylinder; embryo ectoderm; genitourinary system; gut; and mesenchyme derived from lateral plate. Human ortholog(s) of this gene implicated in COVID-19. Orthologous to human IFITM3 (interferon induced transmembrane protein 3).

Recommended Dilutions

WB 1:100000 - 1:900000**IP** 0.3 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**IF-F** 1:1600 - 1:3200**IHC-P** 1:3000 - 1:16000**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

66141

Swiss Prot

Q9CQW9

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Fgls; IP15; Cd225; mil-1; Cdw217; DSPA2b; 1110004C05Rik

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

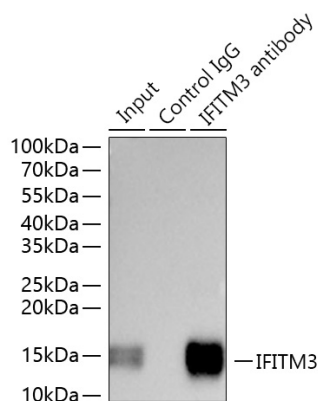
Contact

☎ | 400-999-6126

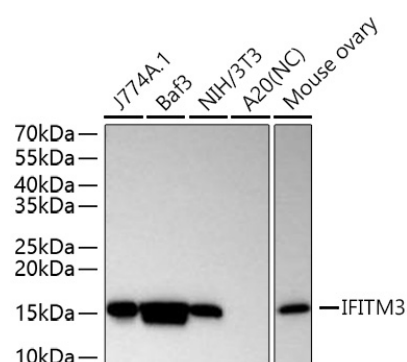
✉ | cn.market@abclonal.com.cn

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Validation Data



Immunoprecipitation of IFITM3 from 300 µg extracts of Baf3 cells was performed using 0.3 µg of IFITM3 Rabbit mAb (A29302). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IFITM3 Rabbit mAb (A29302) at a dilution of 1:10000.



Western blot analysis of various lysates using IFITM3 Rabbit mAb (A29302) at 1:320000 dilution incubated overnight at 4°C.

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

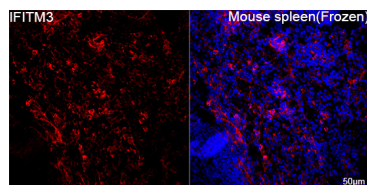
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

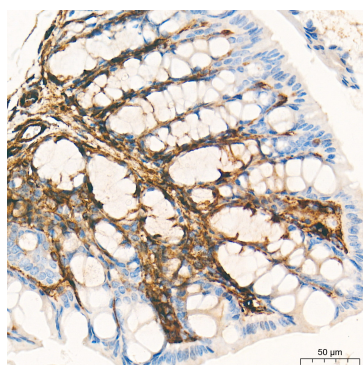
Detection: ECL Basic Kit (RM00020).

Negative control (NC): A20.

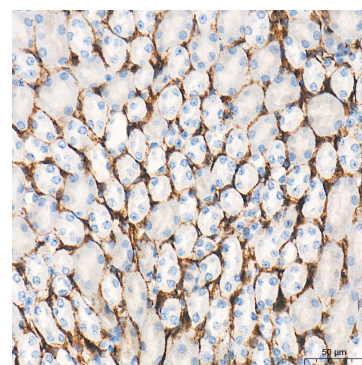
Exposure time: 1 s.



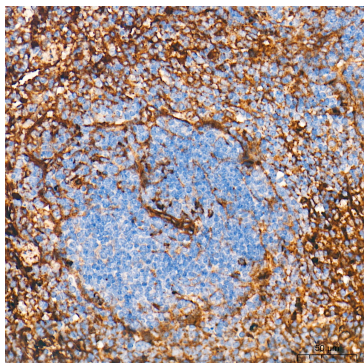
Confocal imaging of frozen sections of Mouse spleen tissue using IFITM3 Rabbit mAb (A29302, dilution 1:3200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



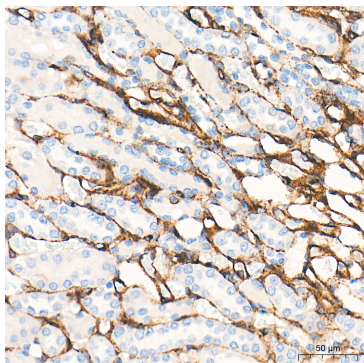
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



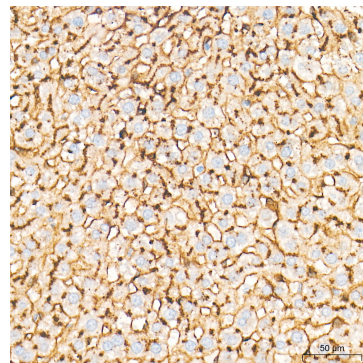
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



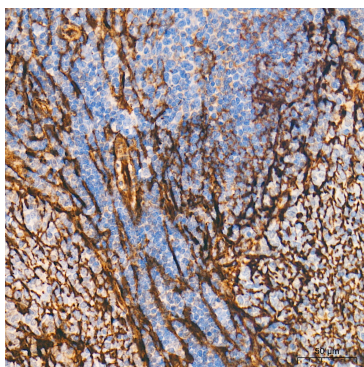
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (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 liver tissue using IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (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 IFITM3 Rabbit mAb (A29302) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.