

ISG15 Rabbit PolymAb®**Catalog No.: A30092PM****Recombinant****Basic Information****Observed MW**

15 kDa

Calculated MW

18 kDa

Category

Monoclonal Antibodies

Applications

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

Cross Reactivity

Human, Mouse

Clone No.

ARC3885_ARC3886

Background

The protein encoded by this gene is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon- α and interferon- β . Several functions have been ascribed to the encoded protein, including chemotactic activity towards neutrophils, direction of ligated target proteins to intermediate filaments, cell-to-cell signaling, and antiviral activity during viral infections. While conjugates of this protein have been found to be noncovalently attached to intermediate filaments, this protein is sometimes secreted.

Recommended Dilutions**WB** 1:10000 - 1:50000**IP**0.5 μ g - 4 μ g antibody for 200 μ g - 400 μ g extracts of whole cells**IF/ICC** 1:200 - 1:2000**IF-F** 1:100 - 1:400**IHC-P** 1:200 - 1:1000**ELISA**

Recommended starting concentration is 1 μ g/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**

9636/100038882

Swiss-Prot

P05161/Q64339

Immunogen

This information is considered to be commercially sensitive.

Synonyms

G1P2; IP17; UCRP; IFI15; IMD38; hUCRP;

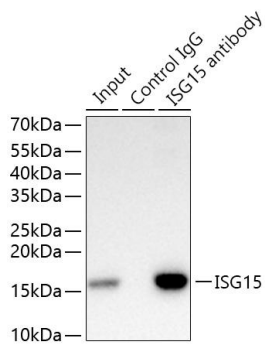
Contact

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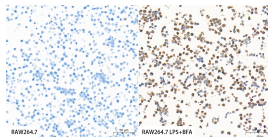
Product Information

Source	Isotype	Purity
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C		

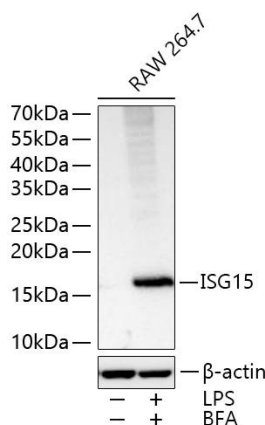
Validation Data



Immunoprecipitation of ISG15 from 300 µg extracts of RAW 264.7 cells treated with LPS (1 µg/mL) at 37°C for 7 hours was performed using 1 µg of ISG15 Rabbit PolymAb® (A30092PM). 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 ISG15 Rabbit PolymAb® (A30092PM) at a dilution of 1:10000.



Immunohistochemistry analysis of paraffin-embedded RAW 264.7 cells, untreated (left) and LPS and BFA-treated (right), using ISG15 Rabbit PolymAb® (A30092PM) 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.



Western blot analysis of lysates from RAW 264.7 cells using ISG15 Rabbit PolymAb® (A30092PM) at 1:20000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (1 µg/mL) at 37°C for 21 hours and BFA (1 µg/mL) at 37°C for 3 hours.

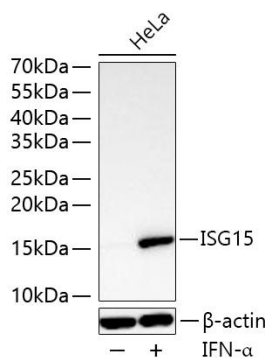
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1 s.



Western blot analysis of lysates from HeLa cells using ISG15 Rabbit PolymAb® (A30092PM) at 1:20000 dilution incubated overnight at 4°C. HeLa cells were treated with IFN-α (100 ng/mL) at 37°C for 24 hours.

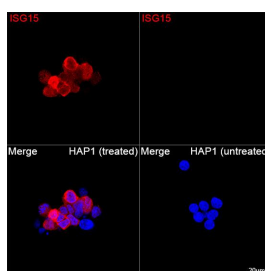
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

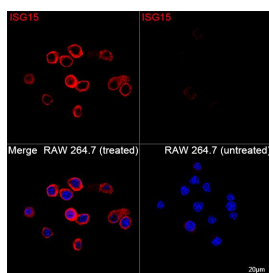
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

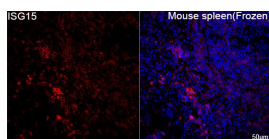
Exposure time: 5 s.



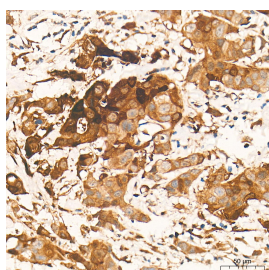
Confocal imaging of HAP1 cells (treated with hIFN-α1) and HAP1 cells (untreated) using ISG15 Rabbit PolymAb® (A30092PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



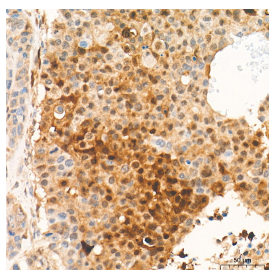
Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using ISG15 Rabbit PolymAb® (A30092PM, dilution 1:500) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



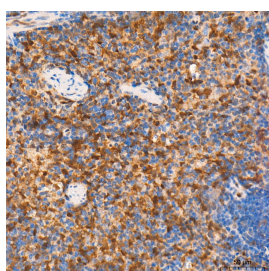
Confocal imaging of frozen sections of Mouse spleen tissue using ISG15 Rabbit PolymAb® (A30092PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using ISG15 Rabbit PolymAb® (A30092PM) at a dilution of 1:200 (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 Human pancreatic cancer tissue using ISG15 Rabbit PolymAb® (A30092PM) at a dilution of 1:200 (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 ISG15 Rabbit PolymAb® (A30092PM) 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.