

ISG15 Rabbit mAb

Catalog No.: A29229 **Recombinant**

Basic Information

Observed MW

15 kDa

Calculated MW

18 kDa

Category

Primary antibody

Applications

WB, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human

CloneNo number

ARC3885

Background

The protein encoded by this gene is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon-alpha and interferon-beta. 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 1:3000 - 1:15000

IF/ICC 1:200 - 1:800

IHC-P 1:300 - 1:1200

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.

Contact

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Immunogen Information

Gene ID

9636

Swiss Prot

P05161

Immunogen

This information is considered to be commercially sensitive.

Synonyms

G1P2; IP17; UCRP; IFI15; IMD38; hUCRP

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

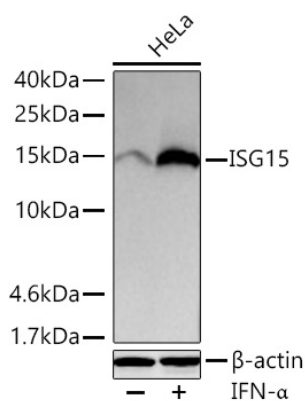
Store at -20°C. Avoid freeze / thaw cycles.

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

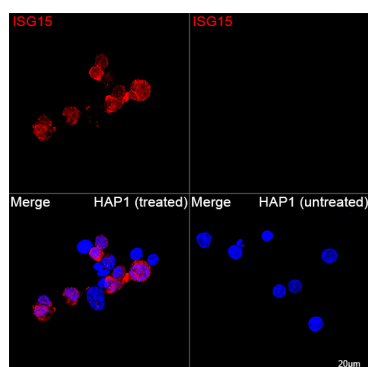


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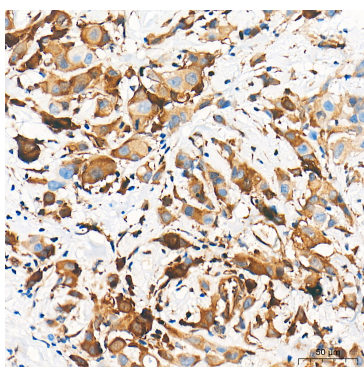
Validation Data



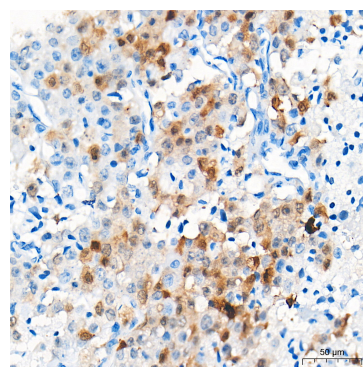
Western blot analysis of lysates from HeLa cells using ISG15 Rabbit mAb (A29229) at 1:5000 dilution incubated overnight at 4°C. HeLa cells were treated with IFN- α (100 ng/mL) at 37°C for 24 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



Confocal imaging of HAP1 cells (treated with hIFN- α 1) and HAP1 cells (untreated) using ISG15 Rabbit mAb (A29229, 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.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using ISG15 Rabbit mAb (A29229) 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 Human prostate cancer tissue using ISG15 Rabbit mAb (A29229) 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.