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# **Human ISG15/UCRP antibody**

Catalog Number: ATGA0543

### **PRODUCT INFORMATION**

### Catalog number

ATGA0543

#### Clone No.

3E5

# **Product type**

Monoclonal antibody

#### UnitProt No.

P05161

#### **NCBI Accession No.**

NP 005092

#### **Alternative Names**

Interferon-stimulated gene 15 kDa ubiquitin-like modifier, GIP2, uCRP,IFI15,ISG15,Interferon-stimulated gene, 15 kDa ubiquitin-like modifier, Interferon-stimulated gene,15 kDa ubiquitin-like modifier IFI 15, Interferon alpha inducible protein, Interferon induced 15 kDaprotein, Interferon induced 17 kDa protein, Interferon induced 17 kDa protein, InterferonStimulated Gene 15, Interferon stimulated protein 15 kDa, ISG 15, ISG15 ubiquitin like modifier,ubiquitin cross reactive protein precursor

### **Additional Information**

This product was produced from tissue culture supernatant.

# **PRODUCT SPECIFICATION**

### **Antibody Host**

Mouse

#### **Reacts With**

Human

# Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

### **Immunogen**

Recombinant human ISG15 (1-157aa) purified from E. coli

### Isotype

IgG1 kappa

#### **Purification Note**

By protein-A affinity chromatography

### **Application**

ELISA, WB, ICC/IF



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#### **Usage**

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

## **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

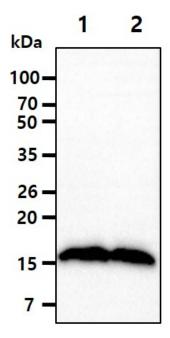
ISG15, a 15 kDa protein encoded by an interferon stimulated gene, and its modification system play importantroles in the innate immune response, regulation of interferon signaling, pregnancy, and several cancers. ISG15is an ubiquitin-like protein containing two ubiquitin homology domains and becomes conjugated to a variety ofproteins when cells are treated with type I interferon or lipopolysaccharide.

#### **General References**

Jonathan D et al.,(1996) Proc Natl Acad Sci USA 93:211-215. Weiming Y et al.,(2001) EMBO J 20(3):362-371. Chen Z et al.,(2005) Proc Natl Acad Sci USA 102(29):10200-10205.

# **DATA**

# Western blot analysis (WB)



The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ISG15 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: MCF7 cell lysate Lane 2.: PC3 cell lysate

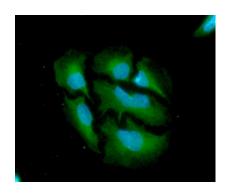
Immunocytochemistry/Immunofluorescence (ICC/IF)



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ICC/IF analysis of ISG15 in HeLa cells. The cell was stained with ATGA0543 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

