# Phospho-STAT1-S727 Monoclonal Antibody

**CABP1000**

## Description

This Phospho-STAT1-S727 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

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|---|---|
| **SKU:** | CABP1000 |
| **Contents:** | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml) |
| **Category:** | Monoclonal Antibody |
| **Synonyms:** | CANDF7, IMD31A, IMD31B, IMD31C, ISGF-3, STAT91, Phospho-STAT1-S727 |
| **Clone:** | ARC1544 |
| **Applications:** | WB IHC-P IF/ICC ELISA |
| **Conjugation:** | Unconjugated |
| **Reactivity:** | Human, Mouse, Rat |

## Antibody Data

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|---|---|
| **Gene ID:** | 6772 |
| **Uniprot:** | AB_2863892 |
| **Host Species:** | Rabbit |
| **Purification:** | Affinity purification |
| **Observed MW:** | 91kDa |
| **Calculated MW:** | 87kDa |

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** 293T and C6 treated with UV

**Recommended Dilutions:**

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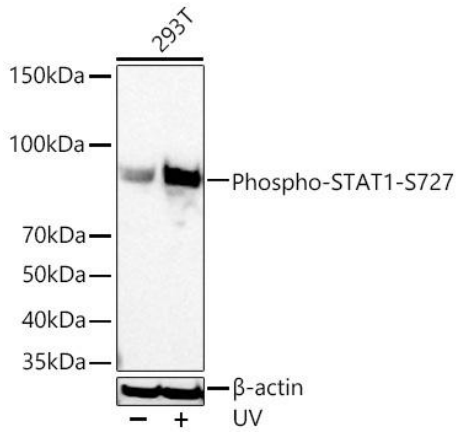
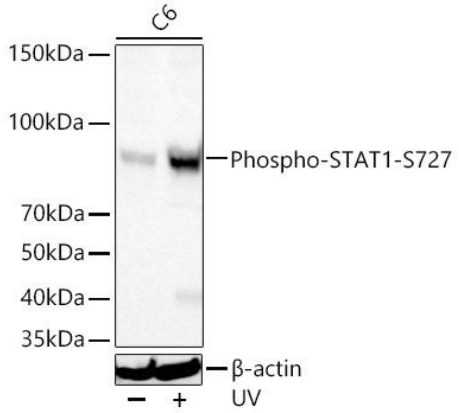
|---|---|
| **WB** | 1:13000 - 1:26000 |
| **IF/ICC** | 1:1000 - 1:4000 |
| **IHC-P** | 1:300 - 1:1200 |
| **ELISA** | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

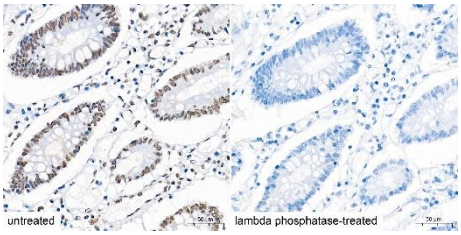
## Validation Data



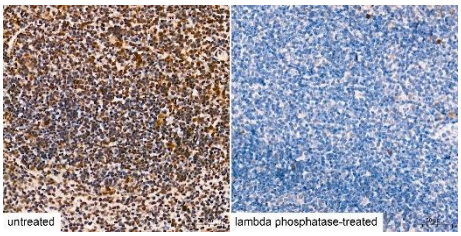

Western blot analysis of lysates from 293T cells using Phospho-STAT1- Rabbit mAb (CABP1000) at 1:13000 dilution incubated overnight at 4°C. 293T cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 5s.



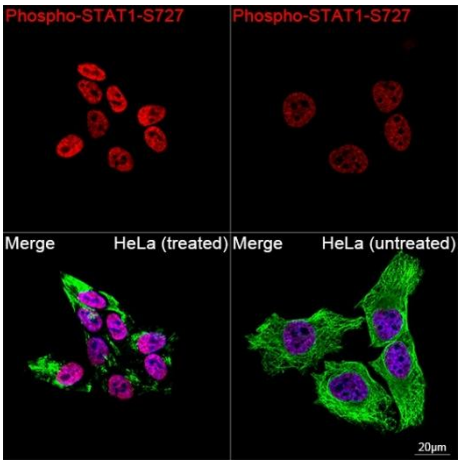

Western blot analysis of lysates from cells using Phospho-STAT1- Rabbit mAb (CABP1000) at 1:13000 dilution incubated overnight at 4℃. cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 45s.



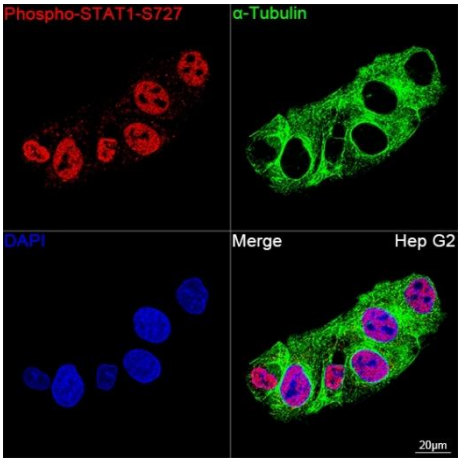

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-STAT1- Rabbit mAb (CABP1000) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



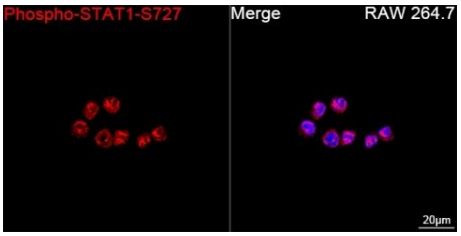

Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Phospho-STAT1- Rabbit mAb (CABP1000) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



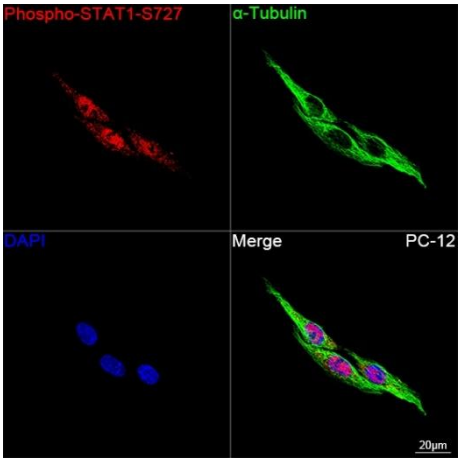

Confocal imaging of HeLa cells (treated with hIFN-α1) and HeLa cells (untreated) cells using Phospho-STAT1-Rabbit mAb (CABP1000, dilution 1:2000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.




Confocal imaging of Hep cells using Phospho-STAT1-Rabbit mAb (CABP1000, dilution 1:2000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.




Confocal imaging of RAW 264.7 cells using Phospho-STAT1- Rabbit mAb (CABP1000, dilution 1:2000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.




Confocal imaging of PC-12 cells using Phospho-STAT1- Rabbit mAb (CABP1000, dilution 1:2000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.