

Anti-STAT1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 4072

Aliases

STAT1; Signal Transducer And Activator Of Transcription 1; Transcription Factor ISGF-3 Components P91/P84; STAT91; ISGF-3; Signal Transducer And Activator Of Transcription 1-Alpha/Beta; Signal Transducer And Activator Of Transcription 1, 91kDa; Signal Transducer And Activator Of Transcription 1, 91kD; CANDF7; IMD31A; IMD31B; IMD31C

Background

Gene Name: STAT1

NCBI Gene Entry: [6772](#)

UniProt Entry: [P42224](#)

Application Information

Molecular Weight: Predicted, 87 kDa; observed, 84 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB9450

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human STAT1

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

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SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

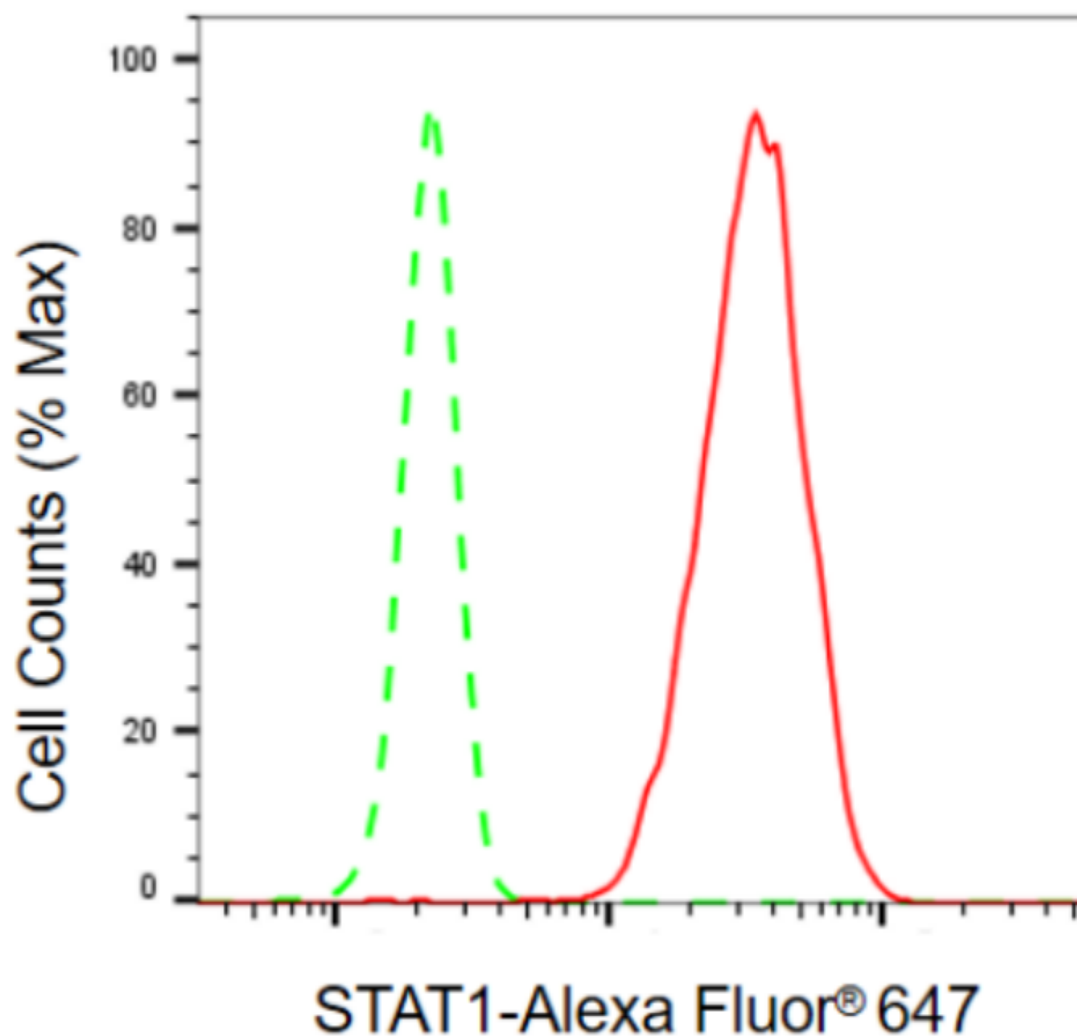
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Note: This product is for research use only.

Validation Data



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Flow cytometric analysis of STAT1 expression in HeLa cells using anti-STAT1 antibody (Cat#4072, 1:2,000). Green, isotype control; red, STAT1.

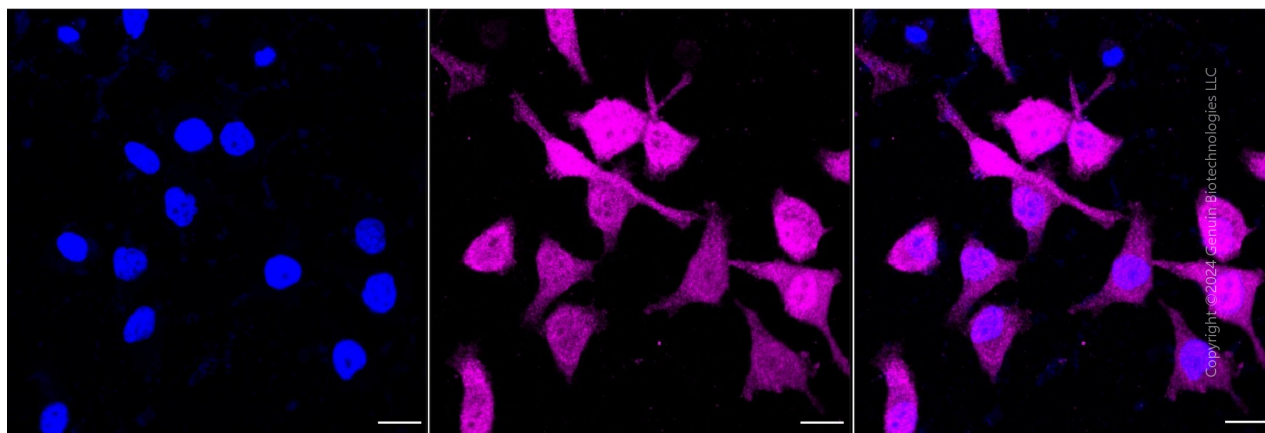
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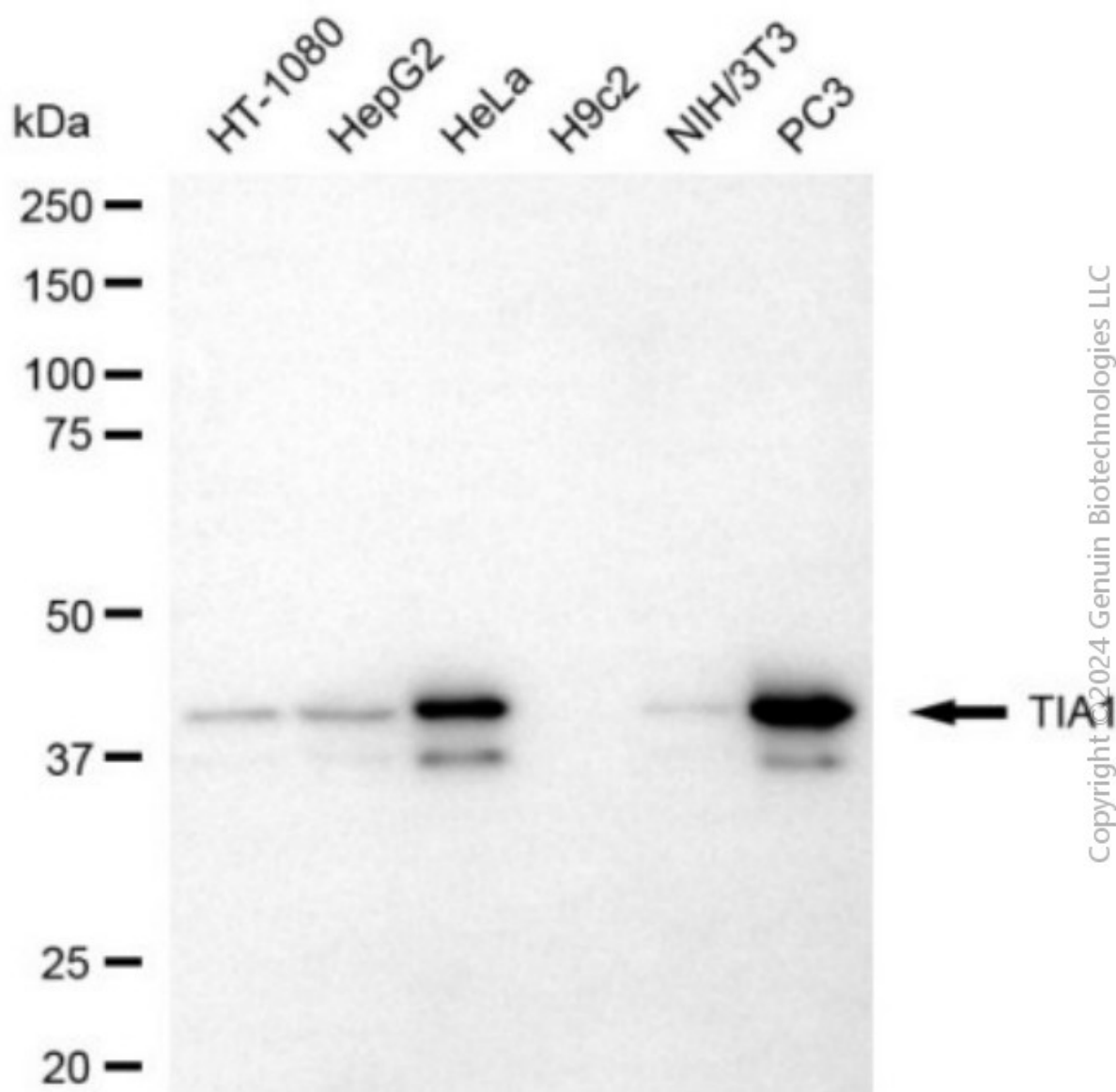
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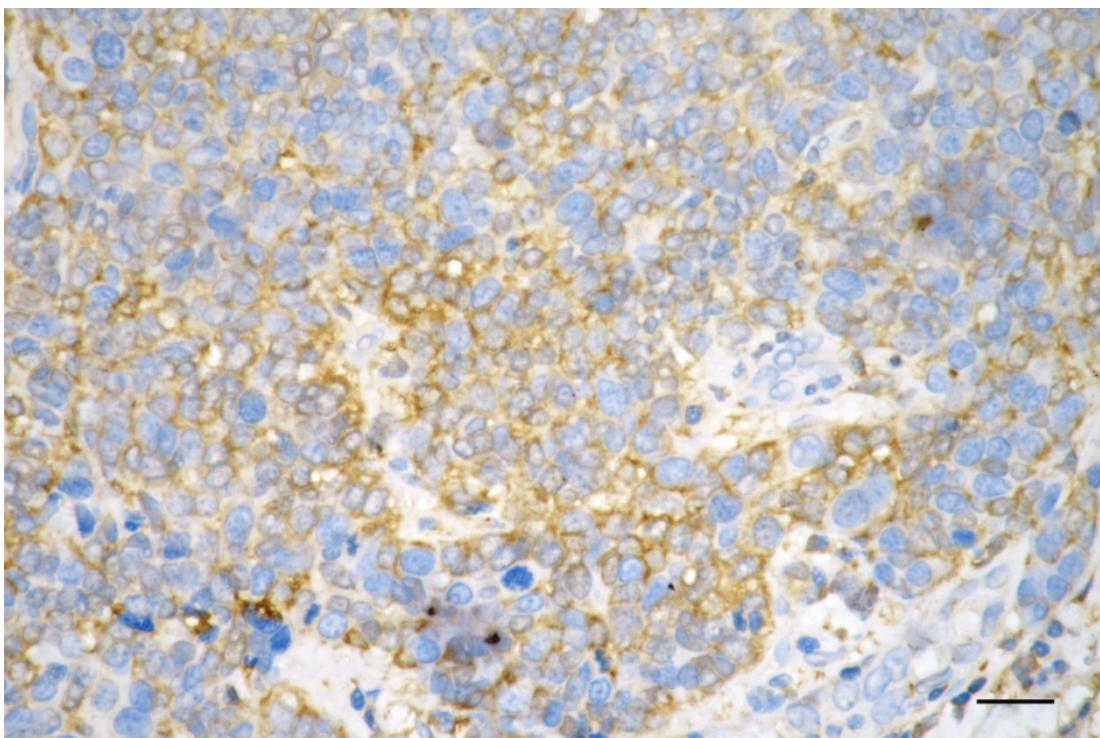
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Immunocytochemical staining of HeLa cells with anti-STAT1 antibody (Cat#4072, 1:1,000). Nuclei were stained blue with DAPI; STAT1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-STAT1 antibody (Cat#4072). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-STAT1 antibody (Cat#4072, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using anti-STAT1 antibody (Cat#4072, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.