

# KD-Validated Anti-Janus kinase 1 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 61215**

## Aliases

JAK1; Janus Kinase 1; JAK1A; JAK1B; JTK3; Tyrosine-Protein Kinase JAK1; EC 2.7.10.2; EC 2.7.10; AIIDE; JAK-1

## Background

Gene Name: JAK1

NCBI Gene Entry: [3716](#)

UniProt Entry: [P23458](#)

## Application Information

Molecular Weight: Predicted, 133 kDa, observed, 133 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2245

Species Reactivity: Human, mouse, rat

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

## Immunogen

A synthesized peptide derived from human JAK1

## 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

**Note:** This product is for research use only.

## Validation Data

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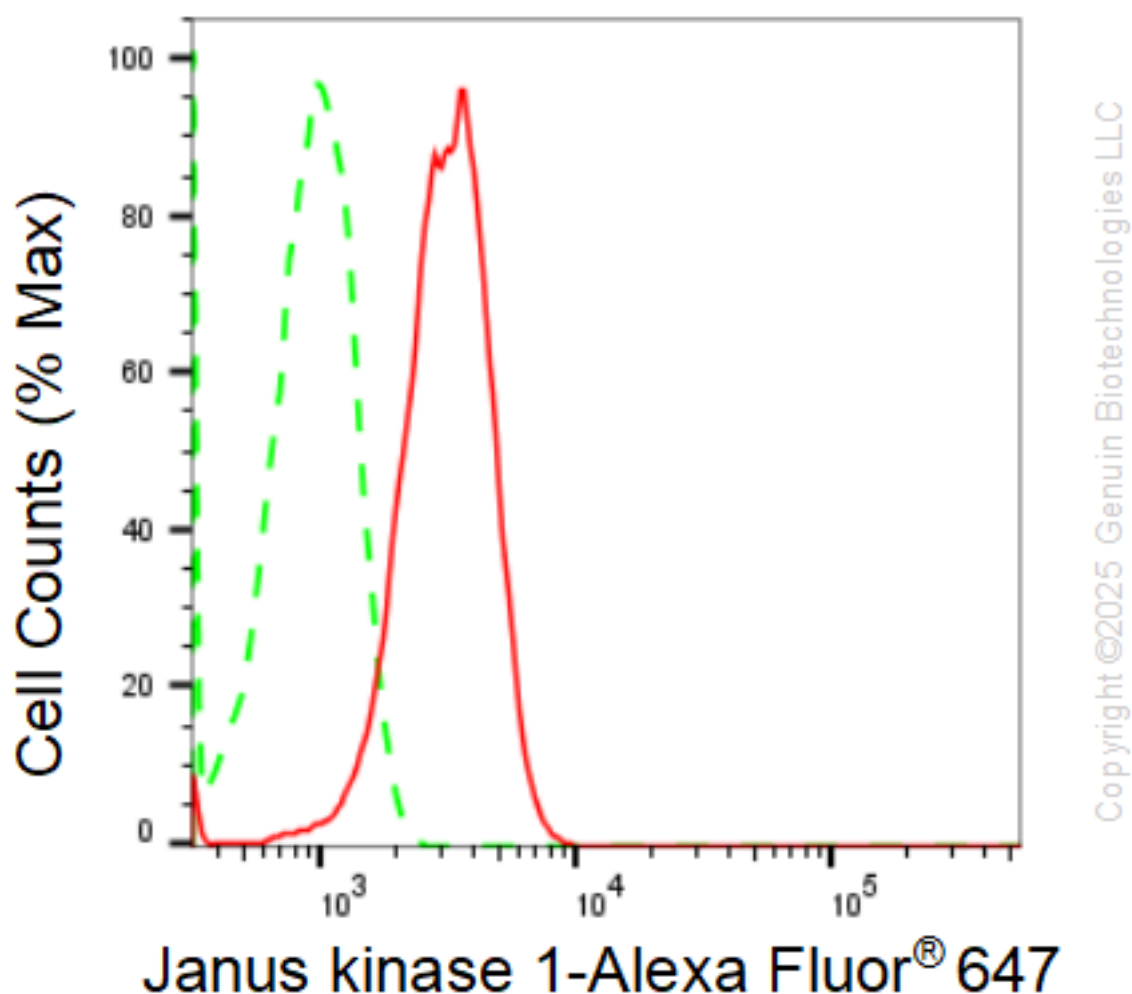
### SUPPORT

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

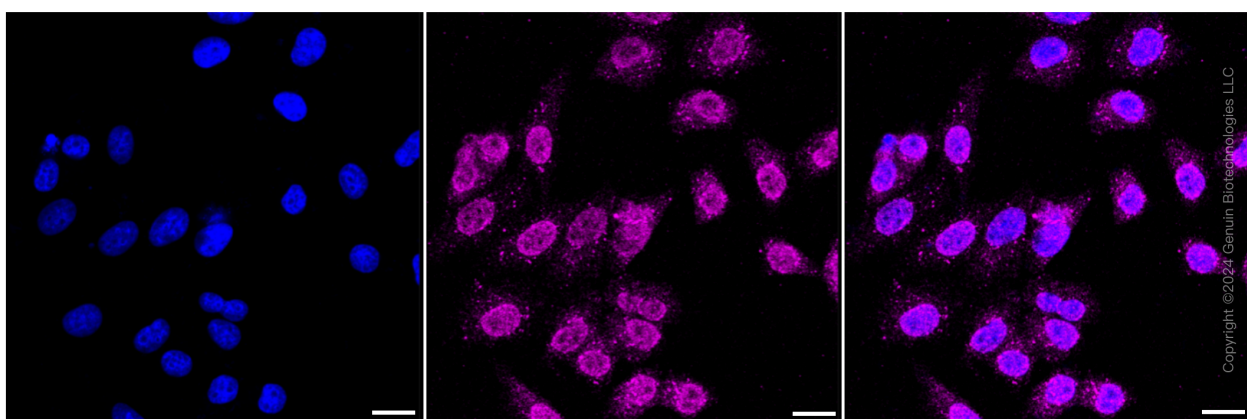
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Flow cytometric analysis of Janus kinase 1 expression in HepG2 cells using anti-Janus kinase 1 antibody (Cat#61215, 1:2000). Green, isotype control; red, Janus kinase 1.



Immunocytochemical staining of HepG2 cells with Janus kinase 1 antibody (Cat#61215, 1:1,000). Nuclei were stained blue with DAPI; Janus kinase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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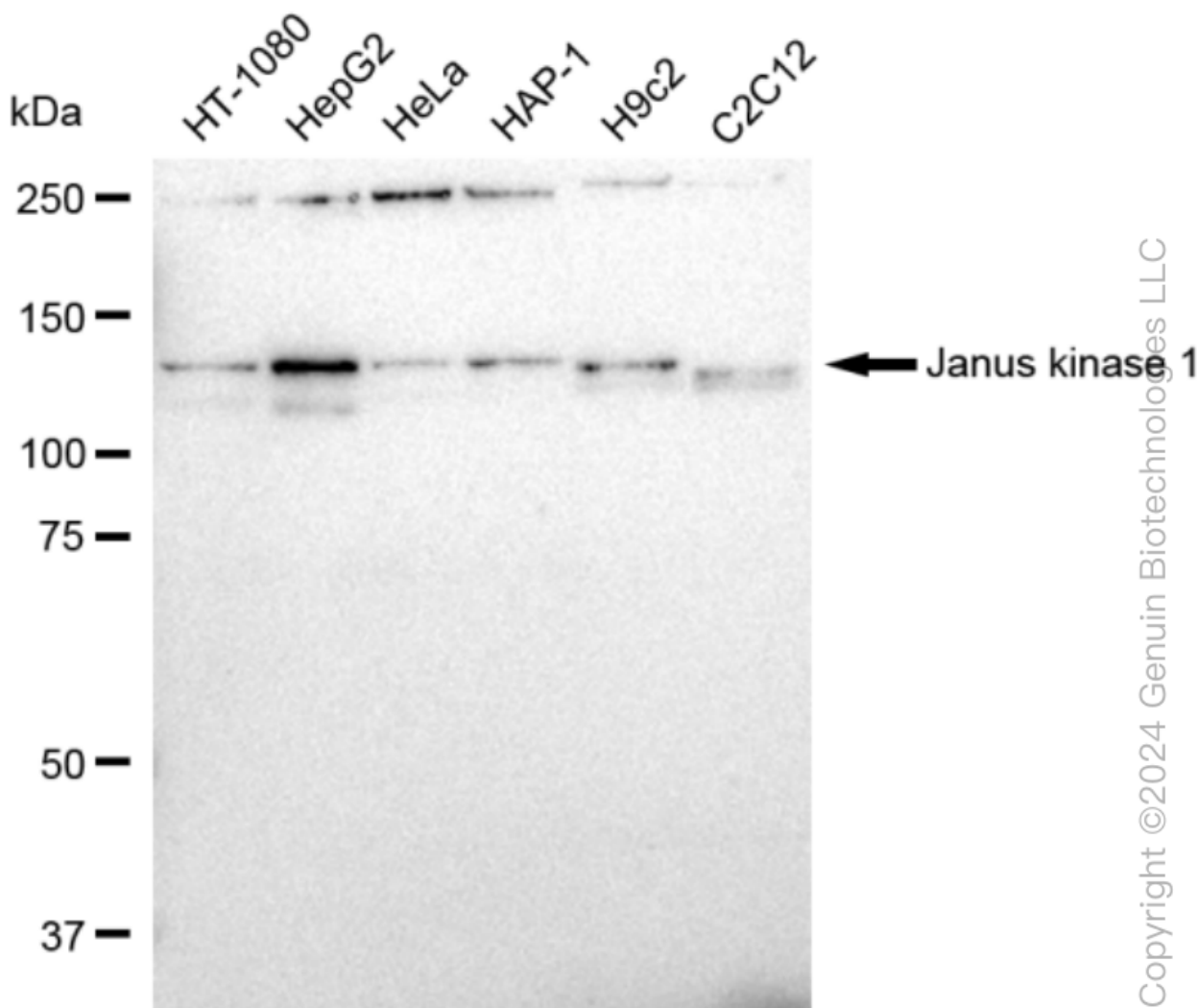
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## KD-Validated Anti-Janus kinase 1 Recombinant Rabbit Monoclonal Antibody

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gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-Janus kinase 1 antibody (Cat#61215). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Janus kinase 1 antibody (Cat#61215, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

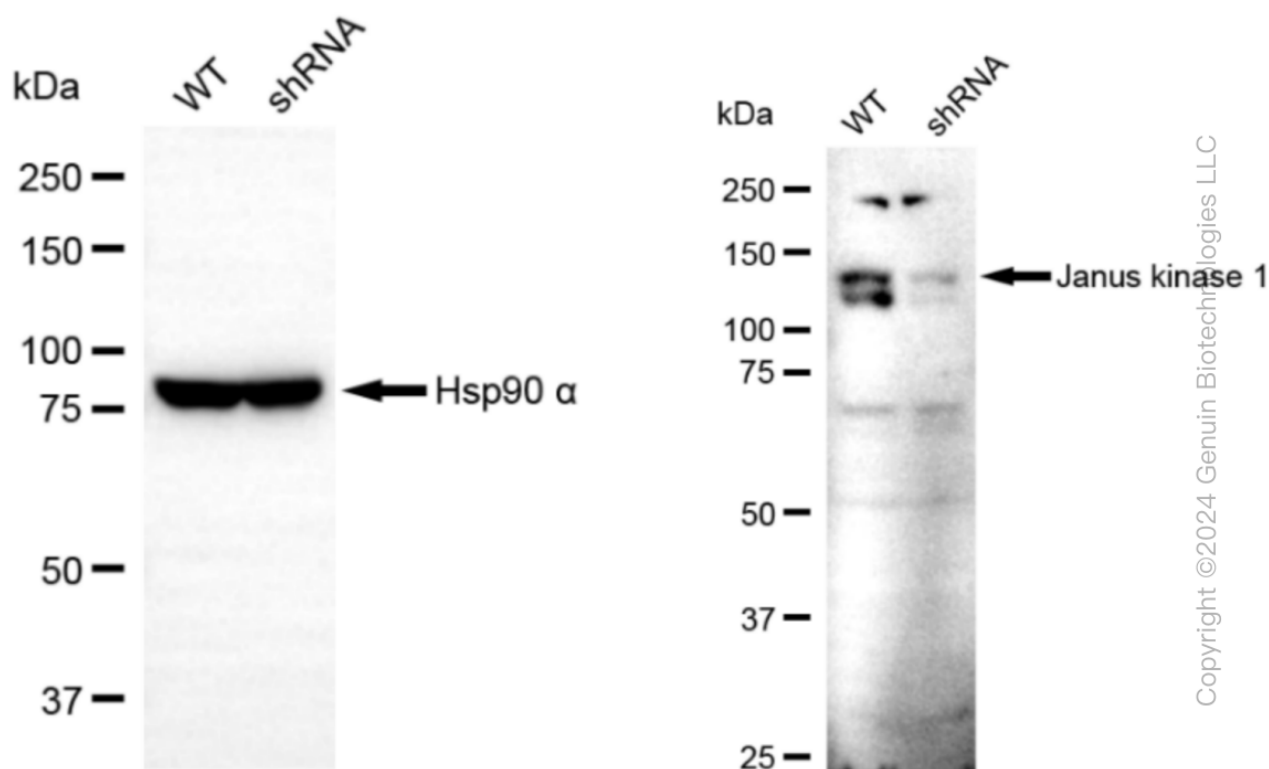
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Western blotting analysis using anti-Janus kinase 1 antibody (Cat#61215). Janus kinase 1 expression in wild type (WT) and Janus kinase 1 shRNA knockdown (KD) 293T cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-Janus kinase 1 antibody (Cat#61215, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).