9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

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

*Rabbit monoclonal antibody*

ABG1086

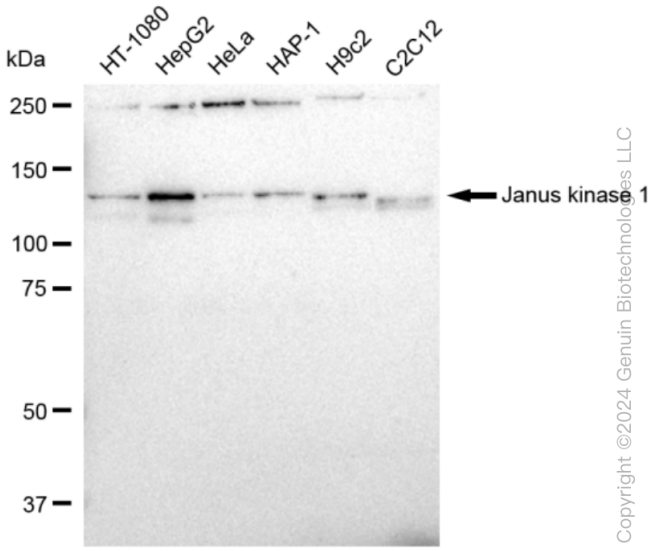
## Product Overview

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|---|---|
| **Name** | KD-Validated Anti-Janus kinase 1 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | P23458 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human JAK1 |
| **Species Reactivity** | Human, Mouse, Rat |
| **Calculated MW** | Predicted, 133 kDa , observed, 133 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western Blotting (WB): 1:1,000-1:5,000<br>Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P23458)

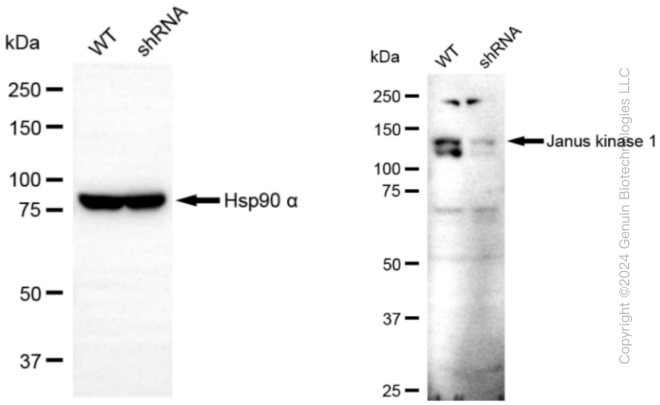
| | |
|---|---|
| **Gene Name** | JAK1 |
| **About Gene Symbol** | JAK1 (Janus Kinase 1) is a receptor tyrosine kinase involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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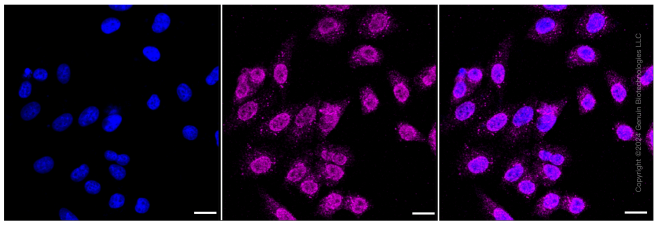

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Western blotting analysis using anti-Janus kinase 1 antibody (Cat#ABG1086). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Janus kinase 1 antibody (Cat#ABG1086, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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Western blotting analysis using anti-Janus kinase 1 antibody (Cat#ABG1086). Janus kinase 1 expression in wild type (WT) and Janus kinase 1 shRNA knockdown (KD) 293T cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Janus kinase 1 antibody (Cat#ABG1086, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with Janus kinase 1 antibody (Cat#ABG1086, 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 gain: Medium. Scale bar: 20 µm.