9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-STAT3 Mouse Monoclonal Antibody

Mouse monoclonal antibody

ABG1896

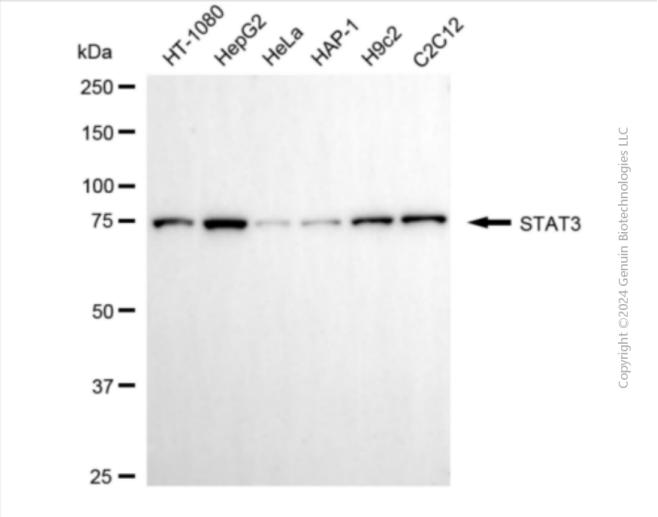
Product Overview

Name	KD-Validated Anti-STAT3 Mouse Monoclonal Antibody
Accession(Primary)	P40763
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Immunogen	Recombinant protein of human stat3
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 88 kDa, observed, 79 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:2,500-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

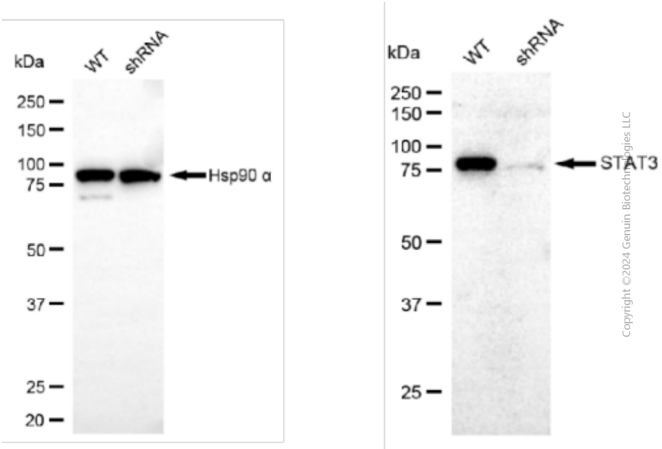
Target information (P40763)

Gene Name	STAT3
About Gene Symbol	STAT3 (Signal Transducer And Activator Of Transcription 3) is a transcription factor involved in gene transcription and regulation. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

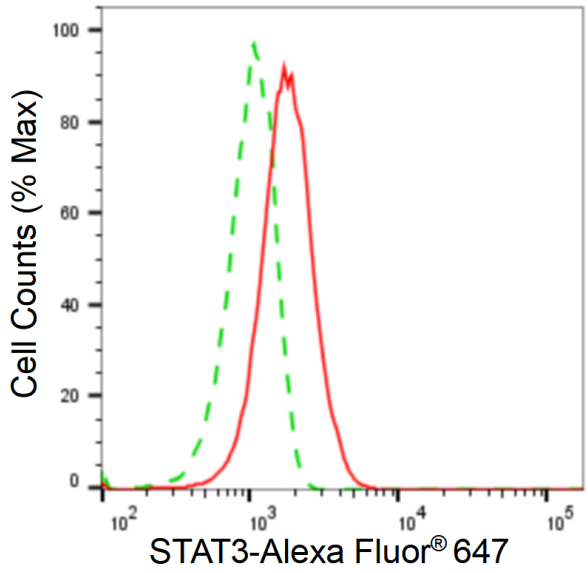
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Western blotting analysis using anti-STAT3 antibody (Cat#ABG1896). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-STAT3 antibody (Cat#ABG1896, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.

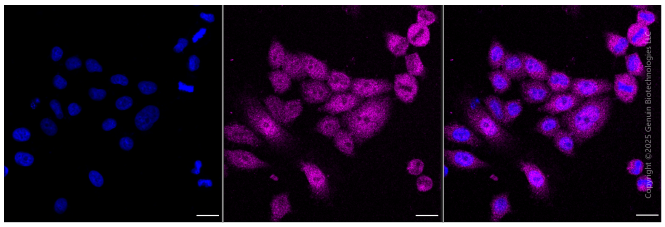


Western blotting analysis using anti-STAT3 antibody (Cat#ABG1896). STAT3 expression in wild type (WT) and STAT3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-STAT3 antibody (Cat#ABG1896, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of STAT3 expression in HepG2 cells using anti-STAT3 antibody (Cat#ABG1896, 1:2,000). Green, isotype control; red, STAT3.

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Immunocytochemical staining of HepG2 cells with anti-STAT3 antibody (Cat#ABG1896, 1:1,000). Nuclei were stained blue with DAPI; STAT3 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.