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

KD-Validated Anti-Phospho-Smad2 (S250) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1401

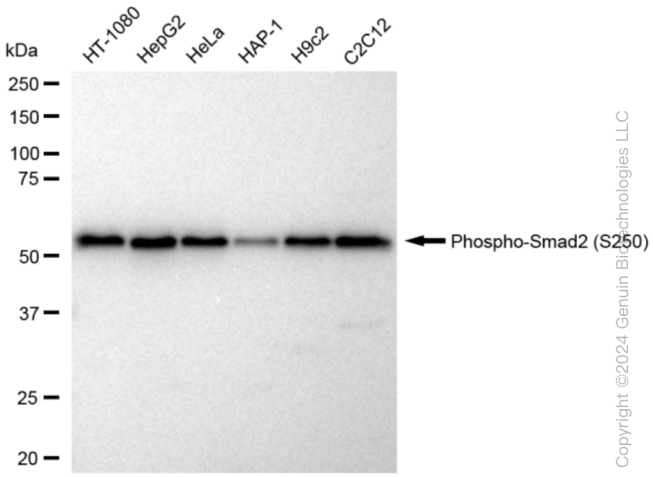
Product Overview

Name	KD-Validated Anti-Phospho-Smad2 (S250) Rabbit Monoclonal Antibody
Accession(Primary)	Q15796
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-Smad2 (S250)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 52 kDa , observed, 58 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 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q15796)

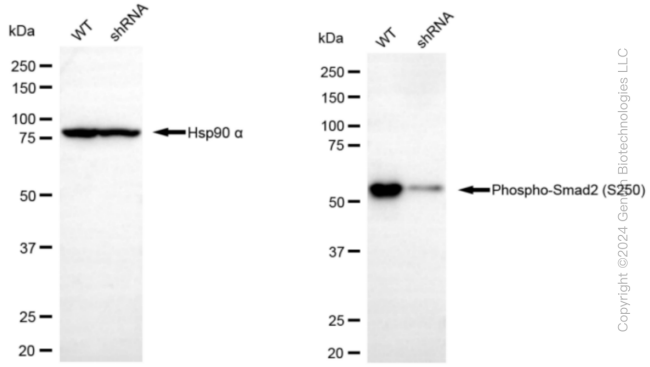
Gene Name	SMAD2
About Gene Symbol	SMAD2 (SMAD Family Member 2) is a transcription factor involved in TGF-β signaling. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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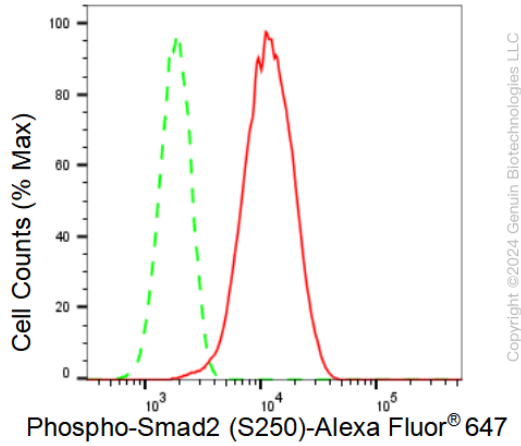
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Western blotting analysis using anti-Phospho-Smad2 (S250) antibody (Cat#ABG1401). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-Smad2 (S250) antibody (Cat#ABG1401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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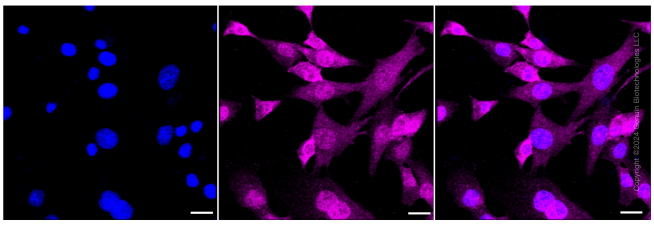
Western blotting analysis using anti-Phospho-Smad2 (S250) antibody (Cat#ABG1401). Phospho-Smad2 (S250) expression in wild type (WT) and Phospho-Smad2 (S250) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Phospho-Smad2 (S250) antibody (Cat#ABG1401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Phospho-Smad2 (S250) expression in C2C12 cells using Phospho-Smad2 (S250) antibody (Cat#ABG1401, 1:2,000). Green, isotype control; red, Phospho-Smad2 (S250).

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Immunocytochemical staining of C2C12 cells with Phospho-Smad2 (S250) antibody (Cat#ABG1401, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Smad2 (S250) 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.