

KD-Validated Anti-Smad2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

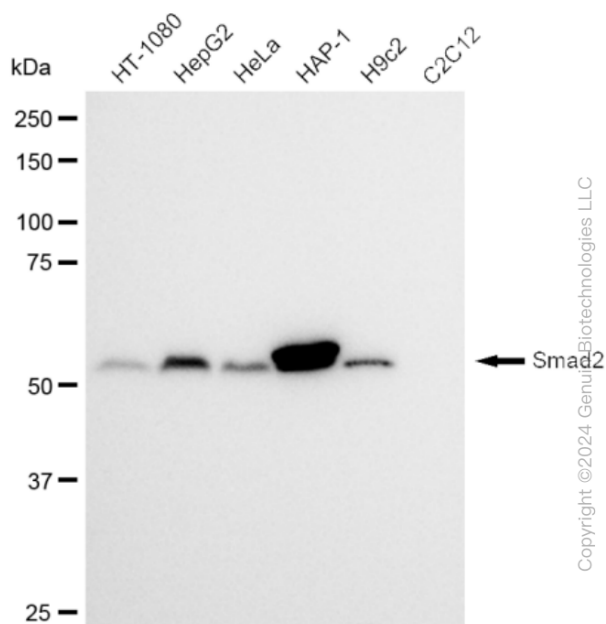
ABG2368

Product Overview

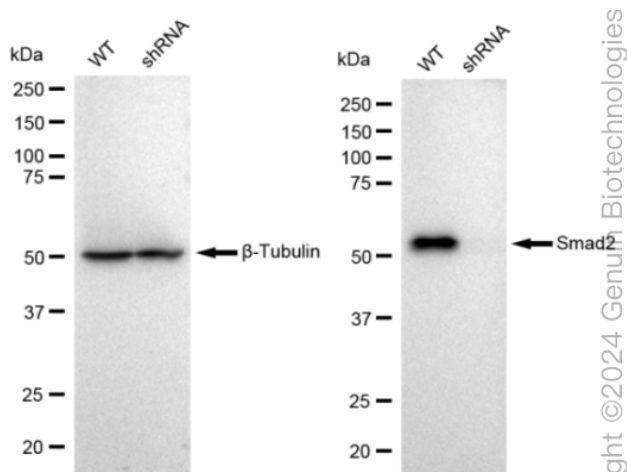
Name	KD-Validated Anti-Smad2 Rabbit Monoclonal Antibody
Accession(Primary)	Q15796
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human smad2
Species Reactivity	Human, Rat
Calculated MW	Predicted, 52 kDa ; Observed, 58 kDa
Storage Buffer	Supplied 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

Target information (Q15796)

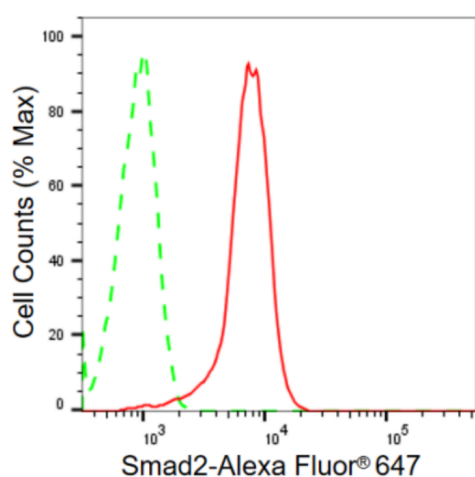
Gene Name	SMAD2
About Gene Symbol	SMAD2 (SMAD Family Member 2) is a transcription factor involved in TGF- β signaling. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



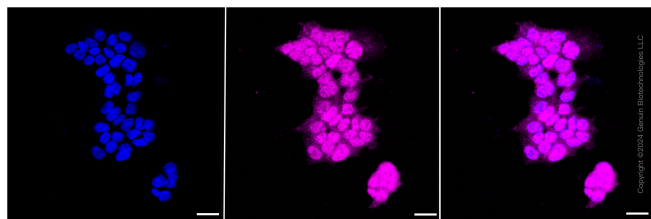
Western blotting analysis using anti-Smad2 antibody (Cat#ABG2368). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Smad2 antibody (Cat#ABG2368, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Smad2 antibody (Cat#ABG2368). Smad2 expression in wild type (WT) and Smad2 shRNA knockdown (KD) HT-1080 cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Smad2 antibody (Cat#ABG2368, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Smad2 in HAP-1 cells using Smad2 antibody (Cat#ABG2368, 1:2,000). Green, isotype control; red, Smad2.



Immunocytochemical staining of HAP-1 cells with Smad2 antibody (Cat#ABG2368, 1:1,000). Nuclei were stained blue with DAPI; Smad2 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.