

KD-Validated Anti-Smad4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

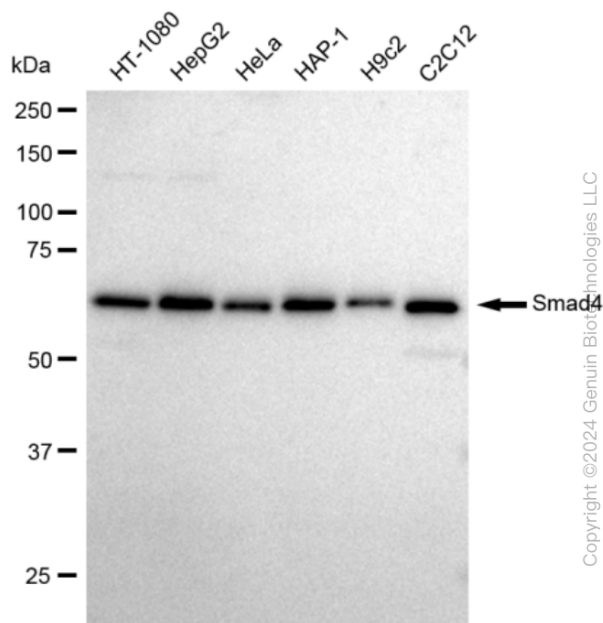
ABG2312

Product Overview

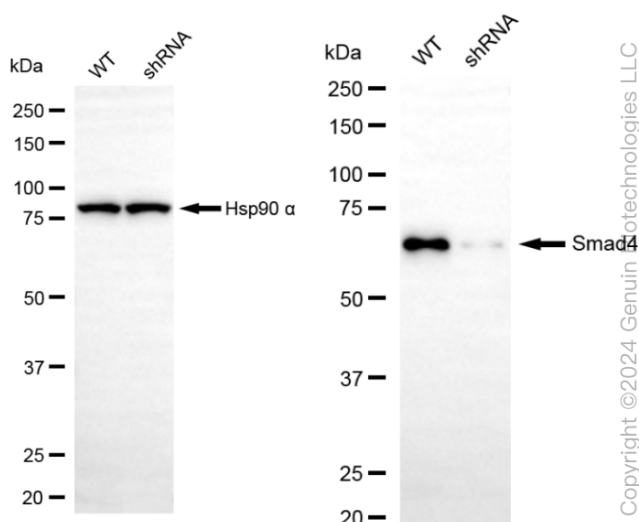
Name	KD-Validated Anti-Smad4 Rabbit Monoclonal Antibody
Accession(Primary)	Q13485
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Smad4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 60 kDa , observed, 65 kDa
Storage Buffer	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 Immunocytochemical (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (Q13485)

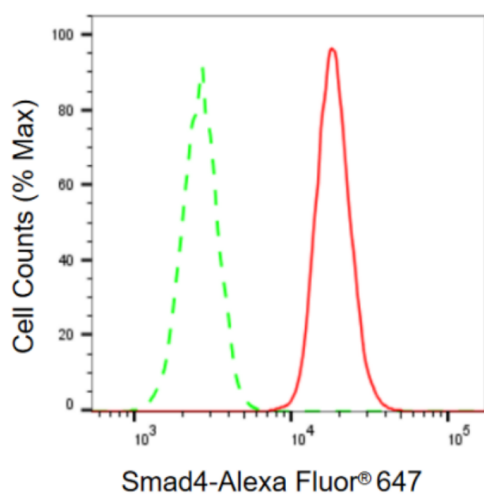
Gene Name	SMAD4
About Gene Symbol	SMAD4 (Mothers Against Decapentaplegic Homolog 4) is a transcription factor involved in TGF- β signaling. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



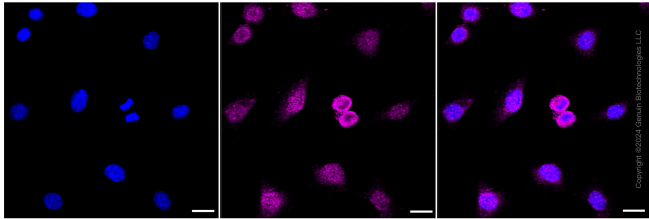
Western blotting analysis using anti-Smad4 antibody (Cat#ABG2312). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Smad4 antibody (Cat#ABG2312, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-Smad4 antibody (Cat#ABG2312). Smad4 expression in wild type (WT) and Smad4 shRNA knockdown (KD) HT-1080 cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Smad4 antibody (Cat#ABG2312, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Flow cytometric analysis of Smad4 expression in C2C12 cells using Smad4 antibody (Cat#ABG2312, 1:2,000). Green, isotype control; red, Smad4.



Immunocytochemical staining of C2C12 cells with Smad4 antibody (Cat#ABG2312, 1:1,000). Nuclei were stained blue with DAPI; Smad4 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.