

# SMAD2 Monoclonal Antibody (R.542.9)

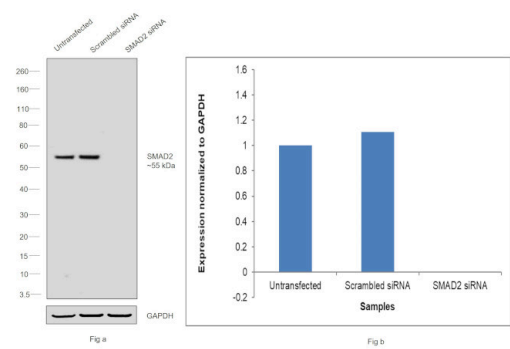
Product Details	
Size	100 µL
Species Reactivity	Human, Non-human primate
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	R.542.9
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Trp85 of human Smad2
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10986430

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:200	-
Immunoprecipitation (IP)	1:100	-

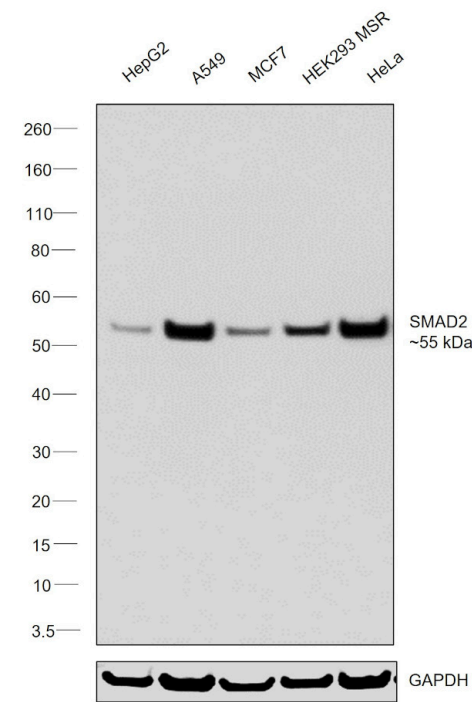
**Product Specific Information**  
 It is not recommended to aliquot this antibody.

Product Images For SMAD2 Monoclonal Antibody (R.542.9)

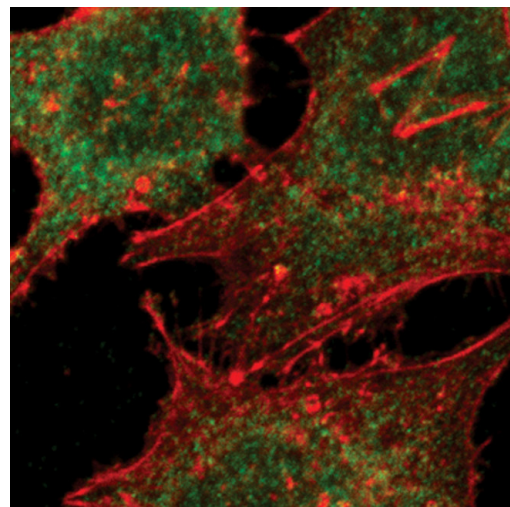
**SMAD2 Antibody (MA5-14996)**  
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A549 cells were transfected with SMAD2 siRNA and decrease in signal intensity was observed in Western Blot application using SMAD2 Monoclonal Antibody (R.542.9) (Product # MA5-14996). {TM}



**SMAD2 Antibody (MA5-14996) in WB**  
Western blot was performed using SMAD2 Monoclonal Antibody (R.542.9) (Product # MA5-14996) and a ~55 kDa band corresponding to SMAD2 was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HepG2 (Lane 1), A549 (Lane 2), MCF7 (Lane 3), HEK-293 MSR (Lane 4) and HeLa (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX), 10 well. Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



**SMAD2 Antibody (MA5-14996) in ICC/IF**  
Immunofluorescent analysis of Smad2 in HeLa cells, TGF-beta treated, using a Smad2 monoclonal antibody (Product # MA5-14996) (green). Actin filaments are labeled with a fluorescent red phalloidin.



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