

SMAD1 Polyclonal Antibody

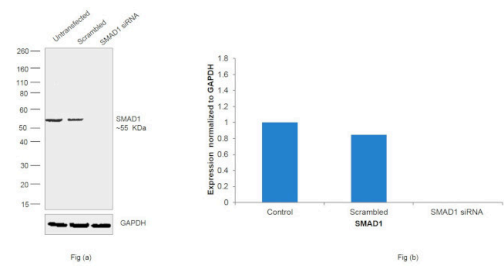
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Ser190 of human Smad1
Form	Liquid
Concentration	83 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10980026

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunoprecipitation (IP)	1:100	1 Publication
ChIP assay (ChIP)	1:25	-

Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For SMAD1 Polyclonal Antibody

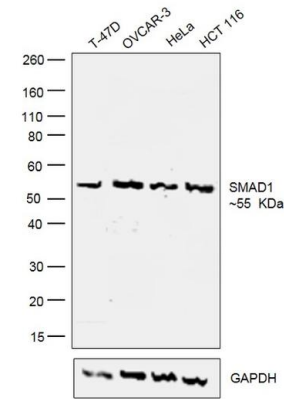


SMAD1 Antibody (PA5-17122)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. T-47D cells were transfected with SMAD1 siRNA and decrease in signal intensity was observed in western blot application using Anti-SMAD1 Polyclonal Antibody (Product # PA5-17122). {KD}

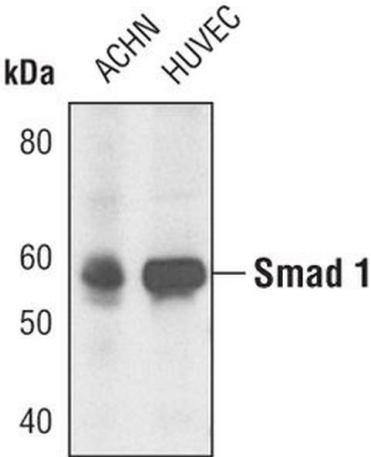
SMAD1 Antibody (PA5-17122) in WB

Western blot was performed using anti-SMAD1 Polyclonal Antibody (Product # PA5-17122) and a 55 kDa band corresponding to SMAD1 was observed across the cell lines tested. Modified Whole cell extracts (30 µg lysate) (1% SDS) of T-47D (Lane 1), OVCAR-3 (Lane 2), HeLa (Lane 3) and HCT 116 (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). 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 (Heavy Chain) Superclonal™ Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



SMAD1 Antibody (PA5-17122) in WB

Western blot analysis of Smad1 in extracts from ACHN and HUVEC cell lines using Smad1 polyclonal antibody (Product # PA5-17122).



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Immunoprecipitation (1)

<p>Nature communications</p> <p>Inhibition of osteoblastic Smurf1 promotes bone formation in mouse models of distinctive age-related osteoporosis.</p> <p>"PA5-17122 was used in an Immunoprecipitation assay to demonstrate a precision medicine-based bone anabolic strategy for age-related osteoporosis."</p> <p>Authors: Liang C,Peng S,Li J,Lu J,Guan D,Jiang F,Lu C,Li F,He X,Zhu H,Au DWT,Yang D,Zhang BT,Lu A,Zhang G</p>	<p>Year 2018</p> <p>Species Human</p> <p>Dilution 1:100</p>
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