

# Product Datasheet

## SMAD1/5/8/9 Antibody - BSA Free NB100-56656

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

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**NB100-56656**

SMAD1/5/8/9 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

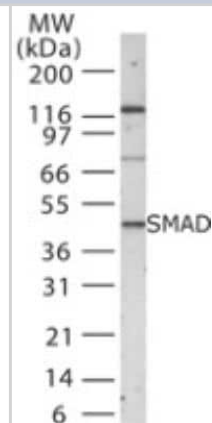
Product Description	
Description	Novus Biologicals Rabbit SMAD1/5/8/9 Antibody - BSA Free (NB100-56656) is a polyclonal antibody validated for use in WB. Anti-SMAD1/5/8/9 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4086
Gene Symbol	SMAD1
Species	Human, Mouse
Specificity/Sensitivity	The synthetic peptide immunogens used to make this antibody are 100% conserved between SMAD1/5/8/9. Therefore, the antibody recognizes SMADs 1, 5, 8, and 9. The antibody may cross-react with SMAD2 or 3. The actual SMADs detected with this antibody may vary according to cell or tissue-type specific expression.
Immunogen	This antibody was developed against two synthetic peptides corresponding to amino acids 19-33 (GWKQGDEEEKWAEKA) and amino acids 315-329 (SNVNRNSTIENTRRH) of human SMAD1.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1 ug/ml

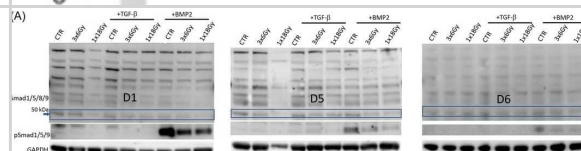


## Images

Western Blot: SMAD1/5/8/9 Antibody [NB100-56656] - Analysis using SMAD1/5/8/9 antibody. Lysate from Saos-2 cells probed with SMAD antibody.



Radiation effects on TGF $\beta$  receptor signaling via noncanonical pathway. (A) Smad1/5/8/9 and pSmad1/5/9 expression in cancer-associated fibroblasts (CAF) cell lysates analyzed by western blot. (B) quantitative analyses of Smad1/5/8/9 expression in cell samples; (C) quantitative analyses of pSmad1/5/9 expression in cell samples. In B and C, data for pSmad1/5/9 represents mean (+/- SD) values from three different CAF donors. Statistical p-values between CTR (nonirradiated) and irradiated CAFs were determined using ordinary one-way ANOVA with Dunnett correction for multiple comparisons. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38488488>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Li D, Zhang D, Yuan Q et al. In vitro and in vivo assessment of the effect of biodegradable magnesium alloys on osteogenesis *Acta biomaterialia* 2021-12-28 [PMID: 34971787] (WB, Human)

Zhao X, Sun Q, Dou C et al. BMP4 inhibits glioblastoma invasion by promoting E-cadherin and claudin expression *Front Biosci (Landmark Ed)* 2019-03-01 [PMID: 30844730]

Iyer S, Chhabra Y, Harvey TJ et al. CRIM1 is necessary for coronary vascular endothelial cell development and homeostasis. *J. Mol. Histol.* 2016-11-01 [PMID: 27803996] (Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-56656**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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