

Product Datasheet

Smad2 [p Ser467] Antibody - BSA Free NBP2-54771-0.05mg

Unit Size: 0.05 mg

Store at -20 °C.

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Publications: 2

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NBP2-54771-0.05mg

Smad2 [p Ser467] Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1 mg/ml
Storage	Store at -20 °C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Epitope affinity purified
Buffer	PBS (pH 7.4) (without Mg ²⁺ and Ca ²⁺), 150mM NaCl, 50% Glycerol
Target Molecular Weight	60 kDa

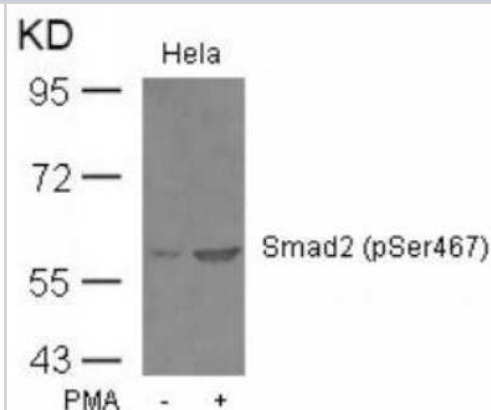
Product Description	
Description	Novus Biologicals Rabbit Smad2 [p Ser467] Antibody - BSA Free (NBP2-54771) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-Smad2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4087
Gene Symbol	SMAD2
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody detects endogenous level of Smad2 only when phosphorylated at serine 467.
Immunogen	Smad2 (Phospho-Ser467) antibody was raised against a peptide sequence around phosphorylation site of serine 467 (C-S-S-M-S (p)) derived from Human Smad2.

Product Application Details	
Applications	Western Blot, Simple Western
Recommended Dilutions	Western Blot 1:500-1:1000, Simple Western
Application Notes	See Simple Western Antibody Database for Simple Western validation: Tested in Bladder, separated by Size

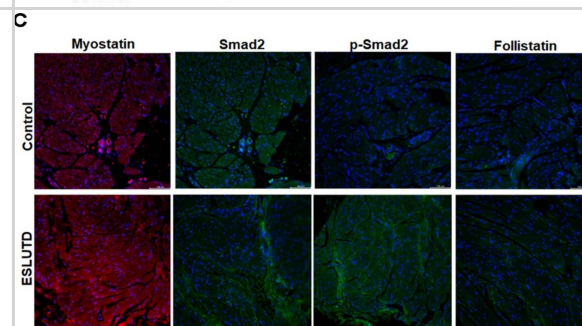


Images

Western Blot: Smad2 [p Ser467] Antibody [NBP2-54771] - Analysis of lysed extracts from HeLa cells untreated or treated with PMA using Smad2 (Phospho-Ser467).



Differences in muscle-to-collagen ratio and Smad pathway proteins in control and ESLUTD bladder. (A) Masson's trichrome staining in control and ESLUTD bladder detrusor muscle with smooth muscle tissue (red) and connective tissue (blue). (B) Quantification of muscle-to-collagen ratio in control (n = 4) and ESLUTD (n = 4) smooth muscle tissue, normalized to control taken as 100%. Muscle-to-collagen ratio was significantly lower in ESLUTD compared to control bladder. Statistics with unpaired t-test, ** p ≤ 0.01. (C) Antibody staining for myostatin (red) and its signaling pathway proteins Smad 2 (green), p-Smad 2 (green) and follistatin (green) with cell nuclei in blue. Scale bar, 100 μm. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36901894>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Salemi S, Schori L, Gerwinn T et al. Myostatin Overexpression and Smad Pathway in Detrusor Derived from Pediatric Patients with End-Stage Lower Urinary Tract Dysfunction International Journal of Molecular Sciences 2023-02-24 [PMID: 36901894] (IHC-P, Human)

Mukhi D, Kolligundla LP, Maruvada S et al. Growth hormone induces transforming growth factor-β1 in podocytes: Implications in podocytopathy and proteinuria Biochimica et biophysica acta. Molecular cell research 2022-11-15 [PMID: 36400249] (WB, Human)



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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

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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