

# Product Datasheet

## Smad2 [p Ser465, p Ser467] Antibody NB200-629

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NB200-629**

Smad2 [p Ser465, p Ser467] Antibody

Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4) and 0.15M NaCl
Target Molecular Weight	53 kDa

Product Description	
Host	Rabbit
Gene ID	4087
Gene Symbol	SMAD2
Species	Human
Specificity/Sensitivity	By western blot, the recognizes a band migrating at approximately 58 kDa corresponding to Smad2 only when dually phosphorylated at Ser465 and Ser467. The may also detect phosphorylated Smad3 (Ser423 and Ser425). This antibody does not cross-react with other Smad-related proteins.
Immunogen	KLH-conjugated, synthetic phospho-peptide corresponding to residues surrounding Ser465/467 of human Smad2 (NM_001003652.2).

Product Application Details	
Applications	Western Blot, Knockdown Validated
Recommended Dilutions	Western Blot 1:1000, Knockdown Validated
Application Notes	Western blotting: For best results, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween-20 at 4 Use in KD reported in scitific publication PMID: 32547319

**Publications**

Han Y, Yoon Y, Go G et al. Melatonin Protects Human Renal Proximal Tubule Epithelial Cells Against High Glucose-Mediated Fibrosis via the Cellular Prion Protein-TGF-beta-Smad Signaling Axis Int. J. Med. Sci. 2020-05-24 [PMID: 32547319] (KD, WB, Human)

Yong-SeokHan, Jun HeeLee, Sang Hun Lee Melatonin suppresses ischemia-induced fibrosis by regulating miR-149 Biochem. Biophys. Res. Commun. 2020-02-21 [PMID: 32089265] (WB, Mouse)

Kim Kyung-Hyun, Sung Hyun-Jung, Lee Woo-Ram et al. Effects of Melittin Treatment in Cholangitis and Biliary Fibrosis in a Model of Xenobiotic-Induced Cholestasis in Mice. Toxins 2015-01-01 [PMID: 26308055] (WB, Mouse)

Samanta D, Gilkes D, Chaturvedi P, Xiang L, Semenza G. Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. Proc Natl Acad Sci U S A. 2014-12-01 [PMID: 25453096] (WB, Human)

Yamamura S, Matsumura N, Mandai M et al. The activated transforming growth factor-beta signaling pathway in peritoneal metastases is a potentialtherapeutic target in ovarian cancer. Int J Cancer 2012-01-01 [PMID: 21503873] (IHC-P, Human)

Panno ML, Giordano F, Rizza P et al. Bergapten induces ER depletion in breast cancer cells through SMAD4-mediated ubiquitination Breast Cancer Res Treat 2012-11-01 [PMID: 23053665] (WB, Human)





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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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