Product Datasheet

Smad2 Antibody NB200-629

Unit Size: 0.05 ml

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

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Publications: 3

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Updated 6/15/2014 v.20.1

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	No Preservative
Purity	Affinity purified
Buffer	10 mM sodium HEPES, pH 7.5, 150 mM NaCl, 0.1mg/ml BSA with 50% glycerol
Target Molecular Weight	58 kDa
Product Description	
Host	Rabbit
Gene ID	4087
Gene Symbol	SMAD2
Species	Human, Mouse, Rat
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, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 1:10-1:500, Western Blot 1:1000, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry 1:10-1:500
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

Publications

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 Dec 1 [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 potential therapeutic target in ovarian cancer. Int J Cancer 2012 Jan 1 [PMID: 21503873] (IHC-P, Human)

Panno ML, Giordano F, Rizza P et al. Bergapten induces ER depletion in breast cancer cells through SMAD4mediated ubiquitination Breast Cancer Res Treat 2012 Nov [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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

