

# Product Datasheet

## Smad2 [p Ser465, p Ser467] Antibody - BSA Free NBP2-44217-0.05mg

Unit Size: 0.05 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-44217-0.05mg**

Smad2 [p Ser465, p Ser467] Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This antibody is directed against the phosphorylated form of human Smad2 protein at the [p Ser465] and pS467 residues. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	4087
Gene Symbol	SMAD2
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with Smad2 protein from human, mouse, rat, orangutan, and bovine based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Specificity/Sensitivity	Anti-Smad2 pS465 pS467 antibody is directed against the phosphorylated form of human Smad2 protein at the pS465 and pS467 residues. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human Smad2. Reactivity with non-phosphorylated human Smad2 is minimal by ELISA and western blot. A BLAST analysis was used to suggest cross-reactivity with Smad2 protein from human, mouse, rat, orangutan, and bovine based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Immunogen	Smad2 [p Ser465, p Ser467] antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-terminal of human Smad2 protein. (Uniprot: Q15796)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:1000-1:3000, ELISA 1:10000

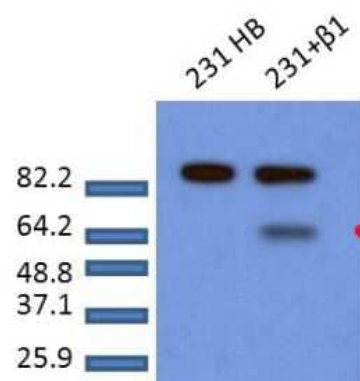


**Application Notes**

This product has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 52 kDa in size corresponding to Smad2 protein by western blotting in the appropriate cell lysate or extract.

**Images**

Western Blot: Smad2 [p Ser465, p Ser467] Antibody [NBP2-44217] -  
Lane 1: MDA-MB-231 cells. Lane 2: MDA-MB-231 cells treated with  
TGF-beta1 for 1h. Load: 20 Ug per lane.





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBC1-25856-0.1mg	Recombinant Human Smad2 His Protein

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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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