

# Product Datasheet

## SMAD1/9 Antibody (SD2090)

### NBP2-67768

Unit Size: 100 ul

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

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**NBP2-67768**

SMAD1/9 Antibody (SD2090)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SD2090
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

**Product Description**

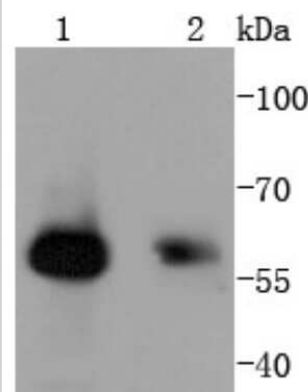
<b>Host</b>	Rabbit
<b>Gene Symbol</b>	SMAD1
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptide within human SMAD1/9 aa 221-270. (SwissProt: Q15797 Human)

**Product Application Details**

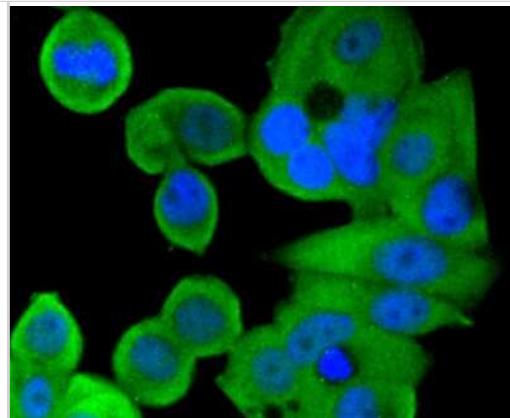
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

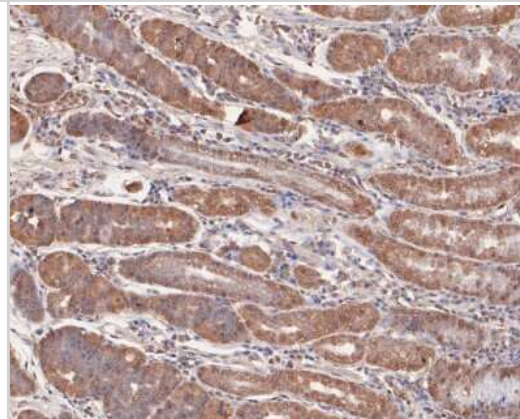
Western Blot: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Analysis of Smad1 on different lysates using anti-Smad1 antibody at 1/1,000 dilution. Positive control: Lane 1: Human skeletal muscle Lane 2: Hela



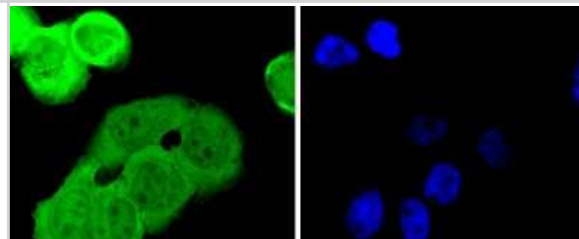
Immunocytochemistry/Immunofluorescence: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Staining Smad1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



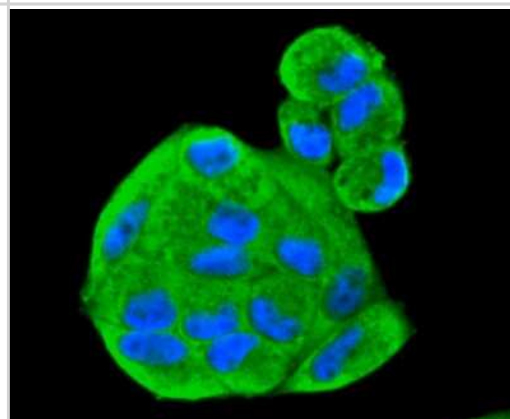
Immunohistochemistry-Paraffin: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Analysis of paraffin-embedded human stomach tissue using anti-SMAD1/9 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



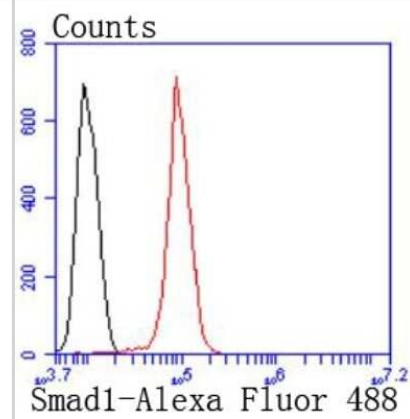
Immunocytochemistry/Immunofluorescence: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Staining Smad1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Staining Smad1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: SMAD1/9 Antibody (SD2090) [NBP2-67768] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-Smad1 antibody. Counter stained with hematoxylin.





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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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