

# Product Datasheet

## Smad5 [p Ser463, p Ser465] Antibody (SY09-03) NBP2-67394

Unit Size: 100 ul

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

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**NBP2-67394**

Smad5 [p Ser463, p Ser465] Antibody (SY09-03)

**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>	SY09-03
<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**

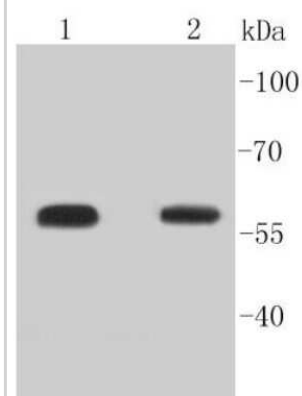
<b>Host</b>	Rabbit
<b>Gene ID</b>	4090
<b>Gene Symbol</b>	SMAD5
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic phospho-peptide corresponding to residues surrounding Ser463 and 465 of Human Smad5. (SwissProt: Q99717 Human; SwissProt: P97454 Mouse; SwissProt: Q9R1V3 Rat)

**Product Application Details**

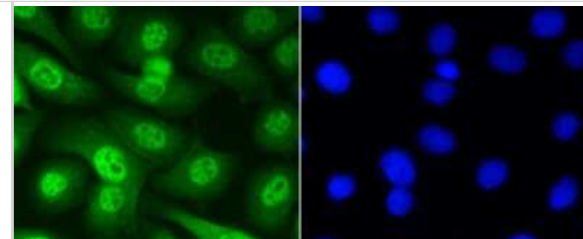
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

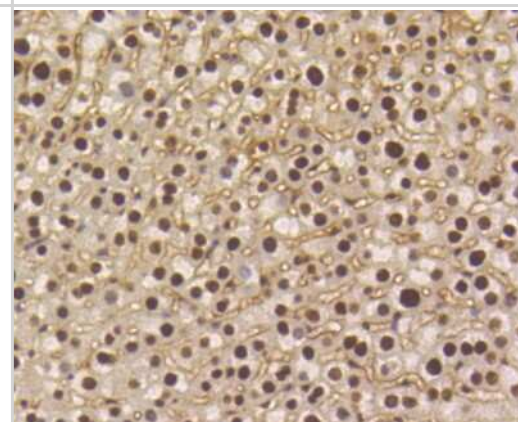
Western Blot: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of Phospho-Smad5(S463/465) on different lysates using anti-Phospho-Smad5(S463/465) antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse brain Lane 2: Rat brain



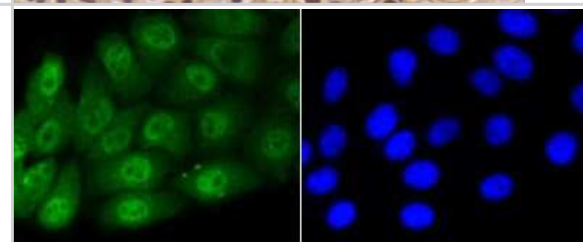
Immunocytochemistry/Immunofluorescence: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Staining Phospho-Smad5 (S463/465) in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



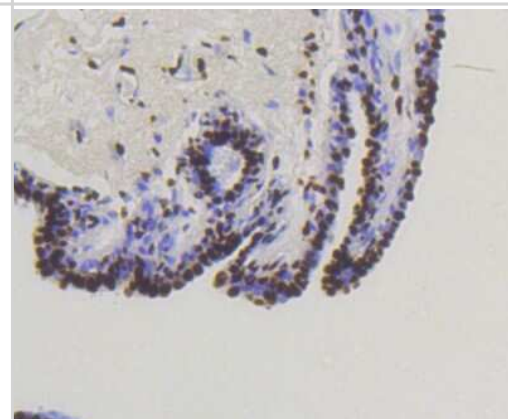
Immunohistochemistry-Paraffin: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of paraffin-embedded mouse liver tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



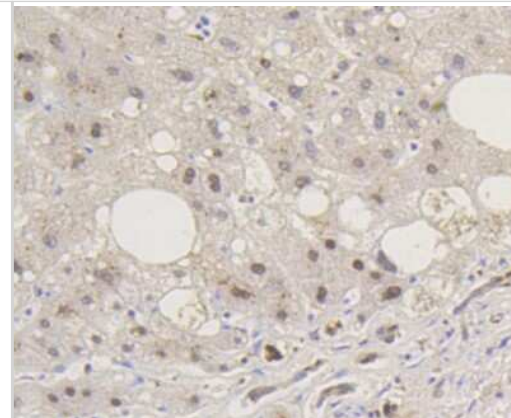
Immunocytochemistry/Immunofluorescence: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Staining Phospho-Smad5 (S463/465) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



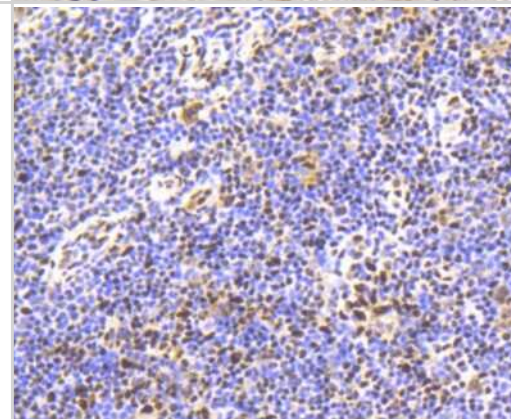
Immunohistochemistry-Paraffin: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



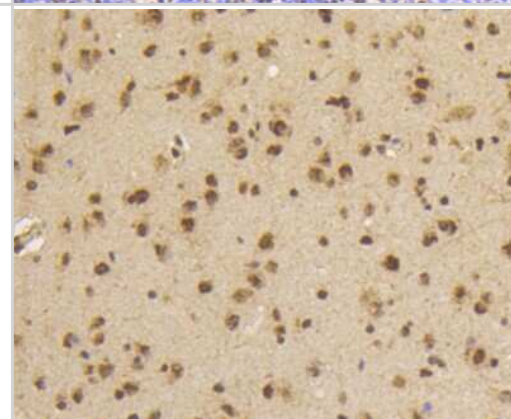
Immunohistochemistry-Paraffin: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of paraffin-embedded human liver tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of paraffin-embedded human tonsil tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Smad5 [p Ser463, p Ser465] Antibody (SY09-03) [NBP2-67394] - Analysis of paraffin-embedded mouse brain tissue using anti-Phospho-Smad5(S463/465) antibody. Counter stained with hematoxylin.



## Publications

Li CJ, Xiao Y, Yang M et al. Long noncoding RNA Bmncr regulates mesenchymal stem cell fate during skeletal aging. J. Clin. Invest. 2018-10-22 [PMID: 30352426] (WB, Mouse)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-32406PEP	Smad5 Recombinant Protein Antigen

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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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