

Product Datasheet

Smad4 Antibody (SP05-05)

NBP2-67372

Unit Size: 100 ul

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

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NBP2-67372

Smad4 Antibody (SP05-05)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SP05-05
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

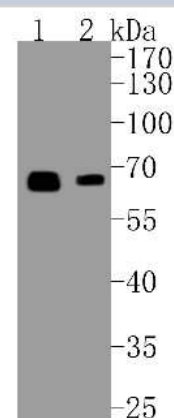
Host	Rabbit
Gene Symbol	SMAD4
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within C-terminal human Smad4. (SwissProt: Q13485 Human; SwissProt: P97471 Mouse; SwissProt: O70437 Rat)

Product Application Details

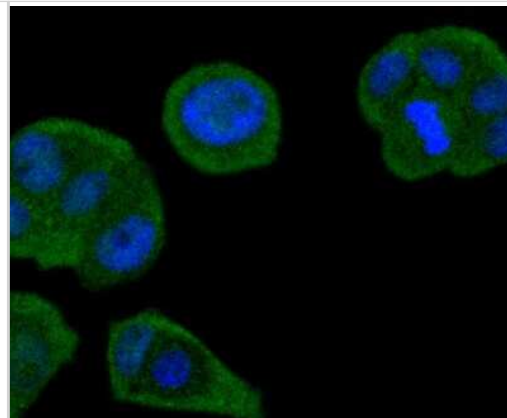
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin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

Images

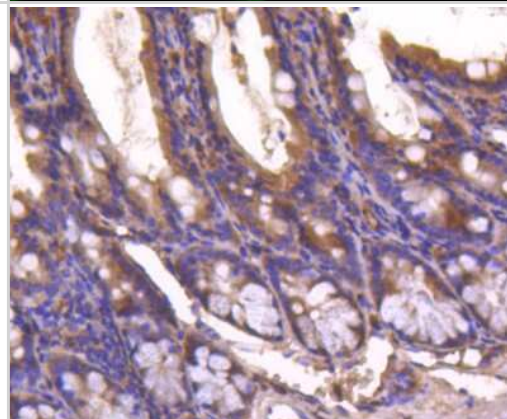
Western Blot: Smad4 Antibody (SP05-05) [NBP2-67372] - Western blot analysis of Smad4 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rab



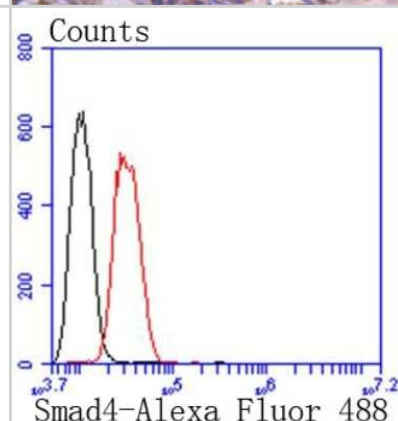
Immunocytochemistry/Immunofluorescence: Smad4 Antibody (SP05-05) [NBP2-67372] - Staining Smad4 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



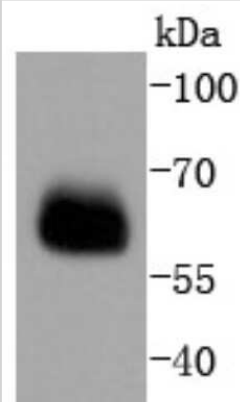
Immunohistochemistry-Paraffin: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of paraffin-embedded mouse colon tissue using anti-Smad4 antibody. Counter stained with hematoxylin.



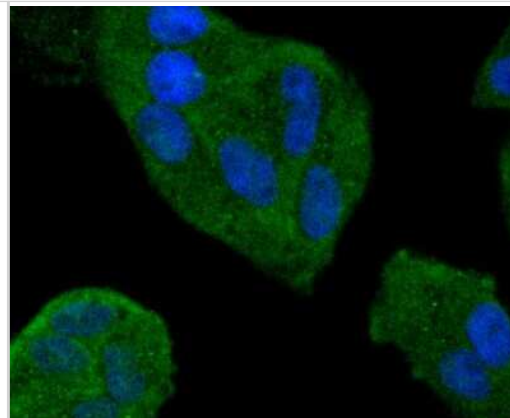
Flow Cytometry: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of SH-SY-5Y cells with Smad4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



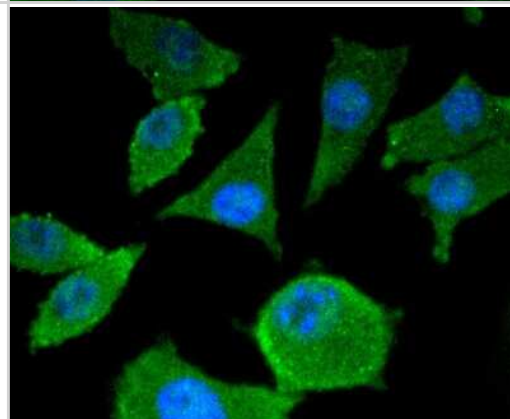
Western Blot: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of Smad4 on PC-12 cells lysates using anti-Smad4 antibody at 1/1,000 dilution.



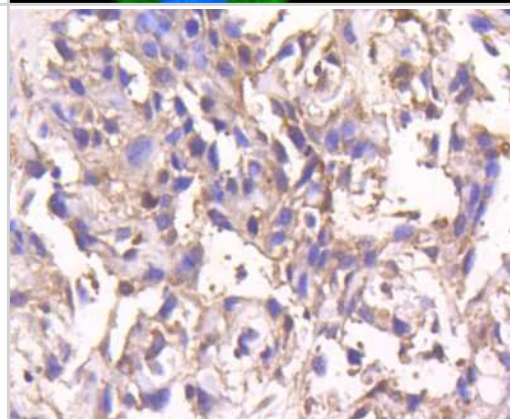
Immunocytochemistry/Immunofluorescence: Smad4 Antibody (SP05-05) [NBP2-67372] - Staining Smad4 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



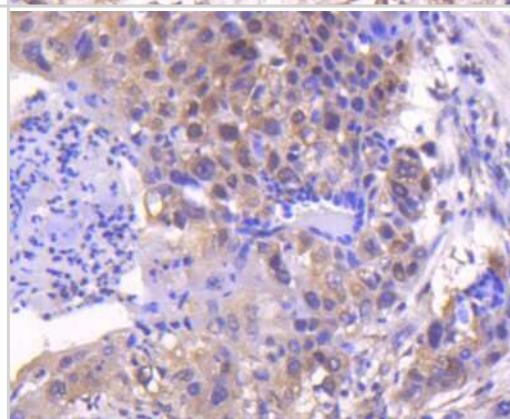
Immunocytochemistry/Immunofluorescence: Smad4 Antibody (SP05-05) [NBP2-67372] - Staining Smad4 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



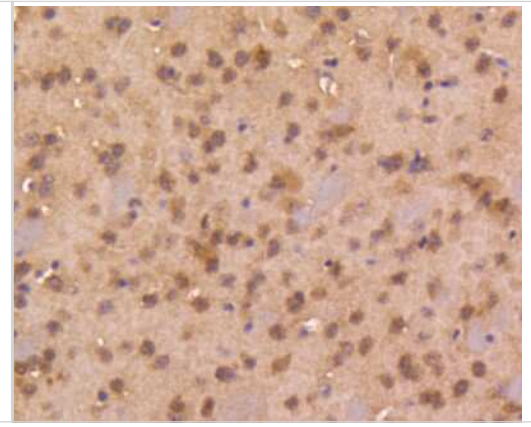
Immunohistochemistry-Paraffin: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-Smad4 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of paraffin-embedded human lung cancer tissue using anti-Smad4 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Smad4 Antibody (SP05-05) [NBP2-67372] - Analysis of paraffin-embedded mouse brain tissue using anti-Smad4 antibody. Counter stained with hematoxylin.



Publications

Mukhi D, Kolligundla LP, Maruvada S et al. Growth hormone induces transforming growth factor- β 1 in podocytes: Implications in podocytopathy and proteinuria *Biochimica et biophysica acta. Molecular cell research* 2022-11-15 [PMID: 36400249] (ICC/IF, Human)



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