

# Product Datasheet

## SOX9 Antibody (SN74-09) NBP2-67690

Unit Size: 100 ul

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

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**NBP2-67690**

SOX9 Antibody (SN74-09)

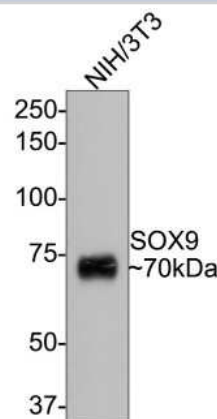
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SN74-09
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit SOX9 Antibody (SN74-09) (NBP2-67690) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6662
Gene Symbol	SOX9
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human SOX9 aa 140-340. (SwissProt: P48436 Human; SwissProt: Q04887 Mouse; SwissProt: F1LYL9 Rat)

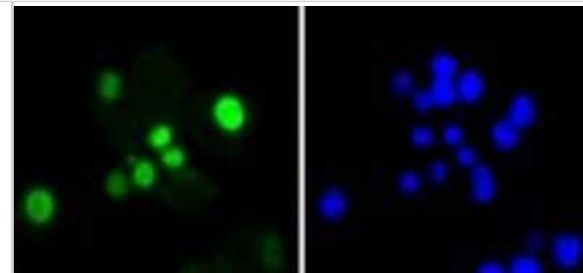
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, Chromatin Immunoprecipitation Use 4 ug for 30 ug of chromatin., Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

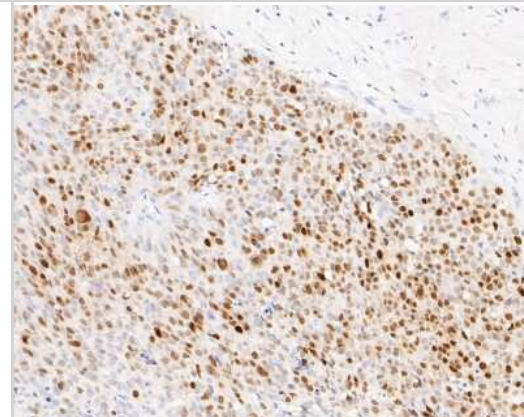
Western Blot: SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of SOX9 on NIH/3T3 cell lysates with Rabbit anti-SOX9 antibody at 1/500 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 56 kDa Observed band size: 70 kDa Exposure time: 30 seconds; 8% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



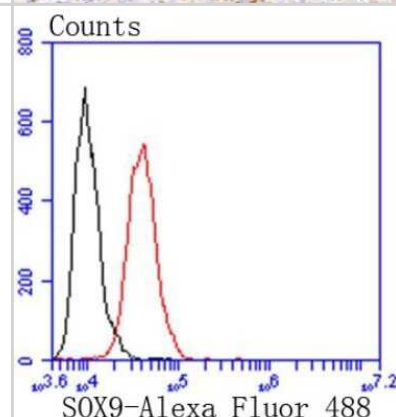
**Immunocytochemistry/Immunofluorescence:** SOX9 Antibody (SN74-09) [NBP2-67690] - Staining SOX9 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



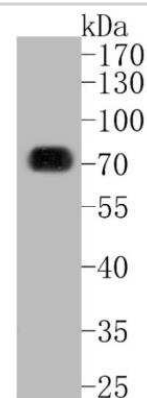
**Immunohistochemistry-Paraffin:** SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of paraffin-embedded human lung carcinoma tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



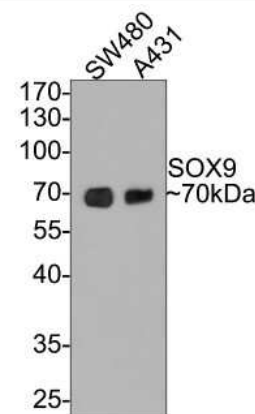
**Flow Cytometry:** SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of Hela cells with SOX9 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



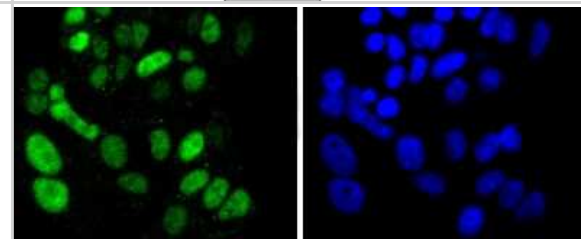
**Western Blot:** SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of SOX9 on SW480 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



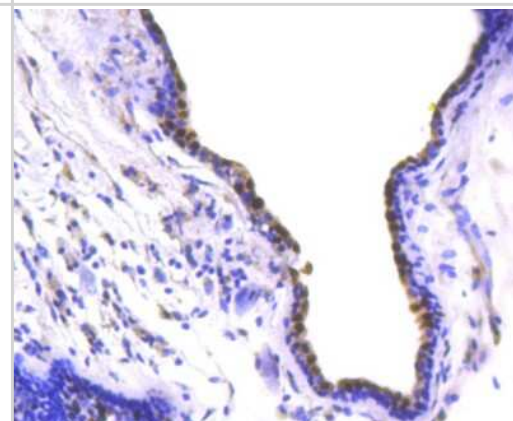
**Western Blot: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of SOX9 on different lysates with Rabbit anti-SOX9 antibody at 1/500 dilution. Lane 1: SW480 cell lysate Lane 2: A431 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 56 kDa Observed band size: 70 kDa Exposure time: 2 minutes; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



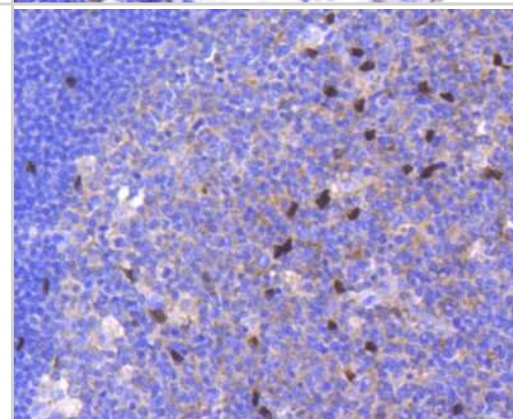
**Immunocytochemistry/Immunofluorescence: SOX9 Antibody (SN74-09) [NBP2-67690]** - Staining SOX9 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human breast carcinoma tissue using anti-SOX9 antibody. Counter stained with hematoxylin.

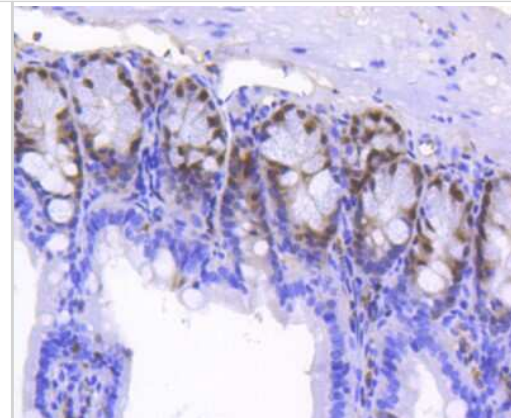


**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human tonsil tissue using anti-SOX9 antibody. Counter stained with hematoxylin.

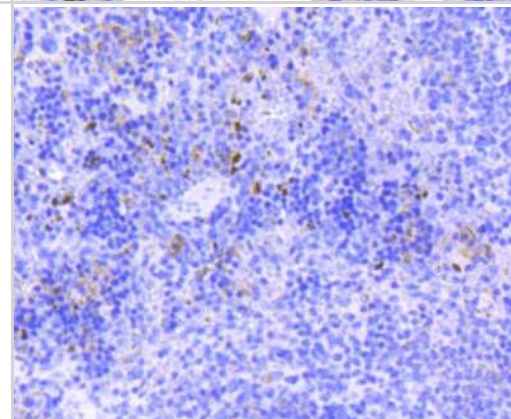




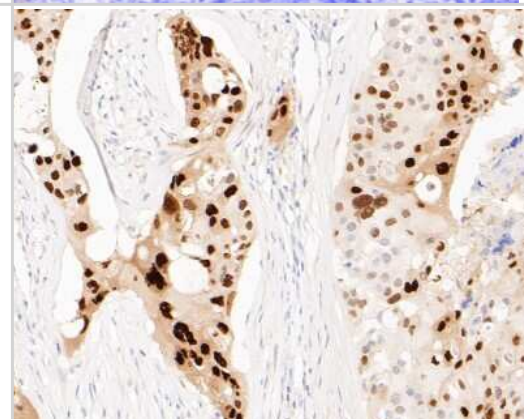
Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of paraffin-embedded mouse colon tissue using anti-SOX9 antibody. Counter stained with hematoxylin.



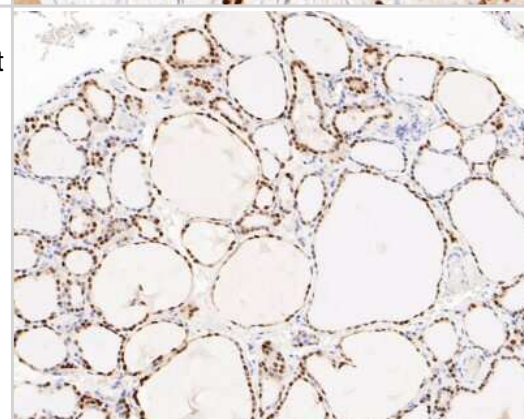
Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of paraffin-embedded mouse spleen tissue using anti-SOX9 antibody. Counter stained with hematoxylin.



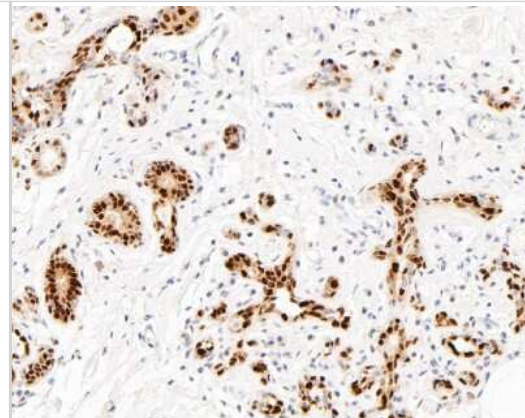
Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of paraffin-embedded human breast carcinoma tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/50 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



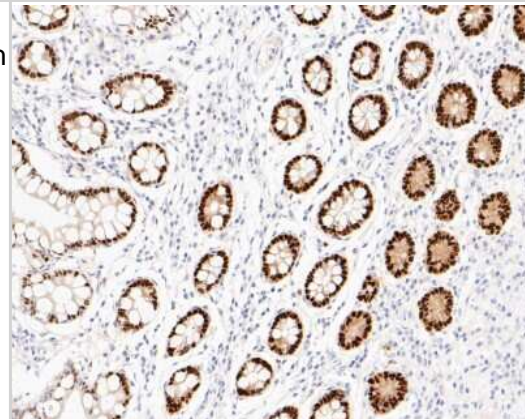
Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690] - Analysis of paraffin-embedded human thyroid tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/50 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



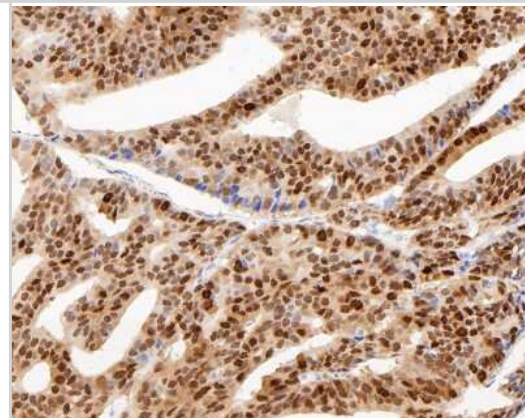
**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human breast tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/50 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



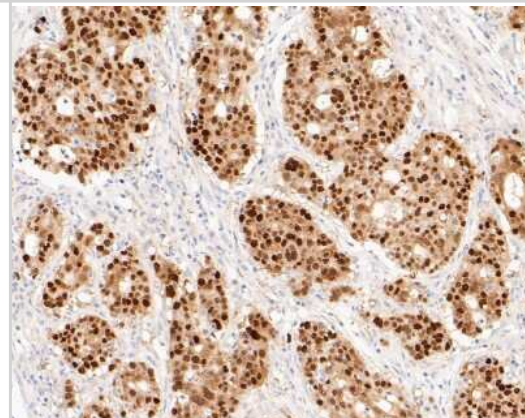
**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human small intestine tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/50 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human prostate carcinoma tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour 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.



**Immunohistochemistry-Paraffin: SOX9 Antibody (SN74-09) [NBP2-67690]** - Analysis of paraffin-embedded human stomach carcinoma tissue with Rabbit anti-SOX9 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/50 dilution for 1 hour 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.







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### **Products Related to NBP2-67690**

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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
H00006662-P01-10ug	Recombinant Human SOX9 GST (N-Term) 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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