

# Product Datasheet

## SOX10 Antibody (PDH0-05)

### NBP3-32969

Unit Size: 100 ul

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

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**NBP3-32969**

SOX10 Antibody (PDH0-05)

| 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                       | PDH0-05                                                                                                                                                          |
| Preservative                | 0.05% Sodium Azide                                                                                                                                               |
| Isotype                     | IgG                                                                                                                                                              |
| Purity                      | Protein A purified                                                                                                                                               |
| Buffer                      | PBS (pH7.4), 0.1% BSA and 40% Glycerol                                                                                                                           |
| Target Molecular Weight     | 50 kDa                                                                                                                                                           |
| Product Description         |                                                                                                                                                                  |
| Host                        | Rabbit                                                                                                                                                           |
| Gene ID                     | 6663                                                                                                                                                             |
| Gene Symbol                 | SOX10                                                                                                                                                            |
| Species                     | Human, Mouse, Rat                                                                                                                                                |
| Immunogen                   | Synthetic peptide within C terminal human SOX10. (Uniprot: P56693)                                                                                               |
| Product Application Details |                                                                                                                                                                  |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                       |
| Recommended Dilutions       | Western Blot 1:500, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:3000-1:5000 |



## Images

Western Blot: SOX10 Antibody (PDH0-05) [NBP3-32969] - Western blot analysis of SOX10 on different lysates with Rabbit anti-SOX10 antibody (NBP3-32969) at 1/500 dilution.

Lane 1: A375 cell lysate  
Lane 2: B16F1 cell lysate

Lysates/proteins at 10 ug/Lane.

Predicted band size: 50 kDa  
Observed band size: 60-75kDa

Exposure time: 2 minutes;

10% SDS-PAGE gel.

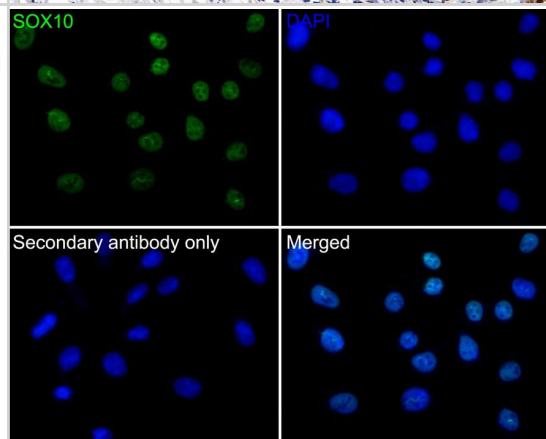
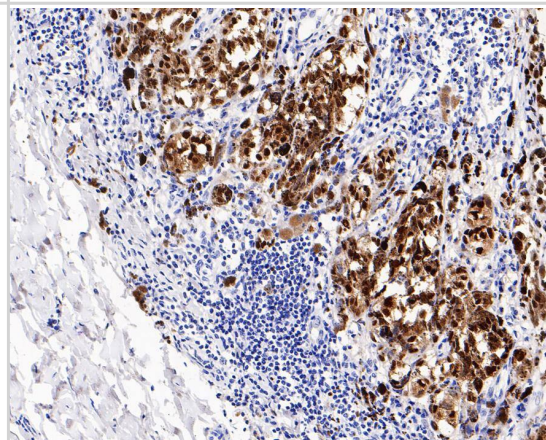
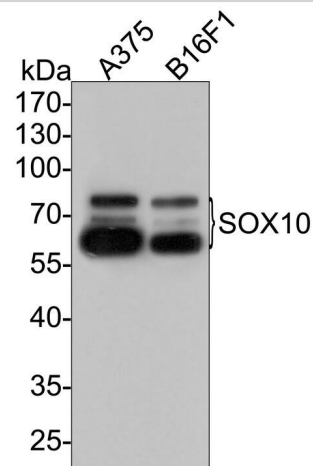
Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32969) at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: SOX10 Antibody (PDH0-05) [NBP3-32969] - Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue with Rabbit anti-SOX10 antibody (NBP3-32969) at 1/3,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32969) at 1/3,000 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.

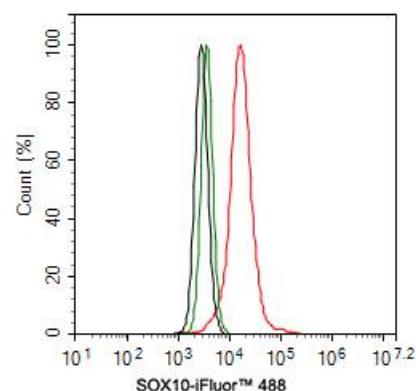
Immunocytochemistry/ Immunofluorescence: SOX10 Antibody (PDH0-05) [NBP3-32969] - Immunocytochemistry analysis of A375 cells labeling SOX10 with Rabbit anti-SOX10 antibody (NBP3-32969) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-SOX10 antibody (NBP3-32969) at 1/50 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



# Flow Cytometry: SOX10 Antibody (PDH0-05) [NBP3-32969] - Flow cytometric analysis of A375 cells labeling SOX10.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32969, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-32969**

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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                          |
| H00006663-Q01-10ug | Recombinant Human SOX10 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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