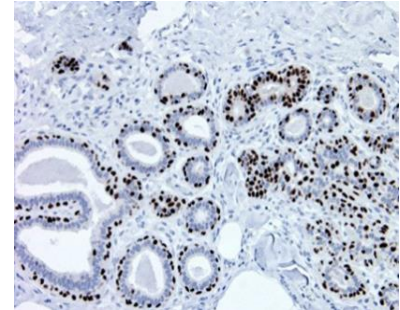


## Anti-SOX10, mouse monoclonal (BS7)

BSH-7959-100 (0,1ml), BSH-7959-1 (1 ml)



|                            |                                      |
|----------------------------|--------------------------------------|
| <b>Clonality:</b>          | Mouse monoclonal antibody            |
| <b>Clone:</b>              | BS7                                  |
| <b>Application:</b>        | IHC-P (1:100 – 1:400)                |
| <b>Species Reactivity:</b> | Human                                |
| <b>Control tissues:</b>    | Breast (benign), skin, appendix      |
| <b>Buffer:</b>             | TRIS with 0.03% sodium azide, pH 7,2 |
| <b>Storage:</b>            | Store at 4°C                         |



Breast section has been stained using SOX10 antibody (Clone: BS7) with 1:200 dilution. Myoepithelial cells of breast have strong nuclear label.

### Description

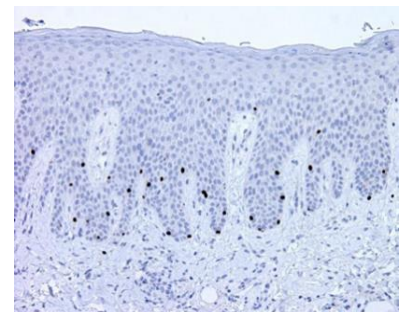
This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. SOX10 is important and sensitive marker of melanoma especially for spindle cell and desmoplastic melanomas and schwannian neoplasms

### Protocol

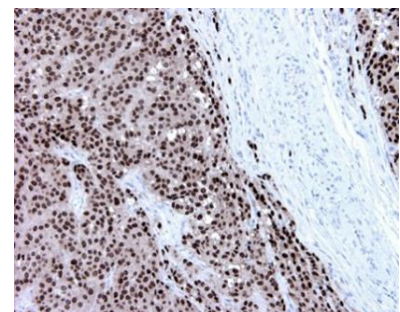
After paraffin removing and rehydration:

1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: SOX10 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H<sub>2</sub>O<sub>2</sub>), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO<sub>4</sub> -post enhancement, 5 min
12. Aqua

Counter staining, Bluing, dehydration, clearing, and mounting.



Skin section has been stained using SOX10 antibody (Clone: BS7) with 1:200 dilution. Melanocytes have strong staining reaction.



Melanoma section has been stained using SOX10 antibody (Clone: BS7) with 1:200 dilution. Melanoma cells have strong nuclear label.

Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.