

Anti-SOX10, mouse monoclonal (BS7)

BSH-7959-100 (0.1 ml), BSH-7959-1 (1 ml)



| | |
|----------------------------|--------------------------------------|
| Clonality: | Mouse monoclonal antibody |
| Clone: | BS7 |
| Application: | IHC-P (1:100 – 1:400) |
| Species Reactivity: | Human |
| Control tissues: | Breast (benign), skin, appendix |
| Buffer: | TRIS with 0.03% sodium azide, pH 7.2 |
| Storage: | Store at 4°C |

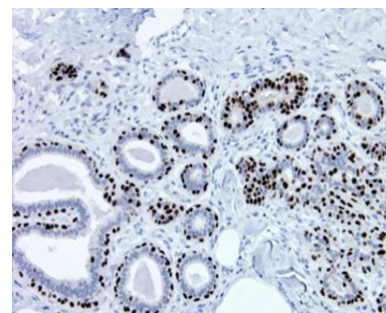
Description

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

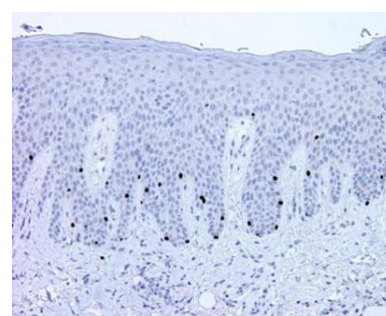
Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H₂O₂ (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip

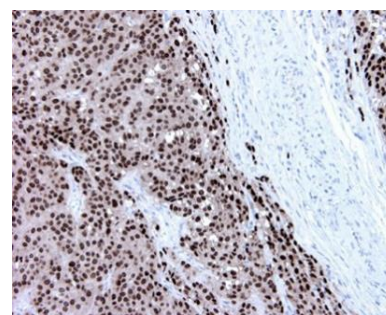
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



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



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



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