

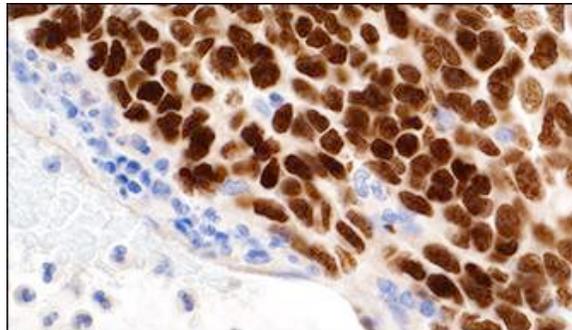
## SOX-10 (Clone ZM10) Mouse Monoclonal Antibody

- Specificity:** Human. Others-not tested
- Immunogen:** Recombinant human SOX10 protein fragment (around aa115-269)
- Ig Class:** IgG2b/ $\kappa$
- Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Melanoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

**Description:** Sry-related HMG-BOX gene 10, (SOX-10), a nuclear transcription factor that participates in neural crest development and in the specification and differentiation of cells of melanocytic lineage, has been recently shown to be a sensitive marker of melanoma, including conventional, spindle, and desmoplastic subtypes. SOX-10 nuclear expression was found in virtually all cases of melanomas (97%) and about half of cases of malignant peripheral nerve sheath tumors (49%). In sentinel node, SOX-10 is positive in metastatic melanomas and nodal capsular nevus but not in dendritic cells, which usually express S100 protein. SOX-10 is moderately to strongly positive in desmoplastic or spindle cell melanomas, which is usually negative for HMB-45, Melan-A or even S-100. SOX-10 is diffusely expressed in schwannomas, neurofibromas, sustentacular cells of pheochromocytomas and paragangliomas. SOX-10 reaction is not identified in any other mesenchymal and epithelial tumors except for myoepitheliomas and diffuse astrocytomas.

**Supplied As:** Purified antibody fraction from rabbit anti-serum with 0.2% BSA and 15mM sodium azide.



*Formalin-fixed, paraffin-embedded human malignant melanoma stained with anti-SOX-10 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of tumor cells*

Cat. #Z2293 (1.0 ml)