

Mouse anti-SOX10, clone SOX10/1074 (Monoclonal)

Clone no. SOX10/1074

MONOSAN

Product name	Mouse anti-SOX10, clone SOX10/1074 (Monoclonal)
Host	Mouse
Applications	IHC-fr, IHC-P (1:200-1:400)
Species reactivity	Human
Conjugate	-
Immunogen	Recombinant fragment (155 Amino residues between aa 100-300) of human SOX10 protein
Isotype	IgG2b, kappa
Clonality	Monoclonal
Clone number	SOX10/1074
Size	1 ml
Concentration	n/a
Format	Concentrate
Storage buffer	Bioreactor Concentrate with 0.05% Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Recognizes a protein of -55kDa, identified as SOX10. This MAb is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express S100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas while SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended. Control tissue Melanomas, breast carcinomas, gliomas. Staining Nuclear

References

1. Mohamed A, et al, Mol Morphol. 2013; 21(6):506-10.
2. -
3. -
4. -
5. -

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