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12-1244: Anti-SOX10(Melanoma Marker) Recombinant Rabbit Monoclonal Antibody (Clone:SOX10/2311R)

Clonality :	Monoclonal
Clone Name :	SOX10/2311R
Application :	WB,IHC
Reactivity :	Human, Mouse
Gene :	SOX10
Gene ID :	6663
Uniprot ID :	P56693
Format :	Purified
Alternative Name :	DOM; PCWH; SOX10; SRY (sex determining region Y) box 10; SRY box containing gene 10; SRY related HMG box gene 10; Waardenburg syndrome type 2EÂ (WS2E); WS4; Waardenburg syndrome type 4C (WS4C)Â
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant fragment of human SOX10 protein (around aa 115-269) (exact sequence is proprietary)

Description

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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (2-4Ã□Âµg/ml); Immunohistochemistry (Formalin-fixed) (1-2Ã□Âµg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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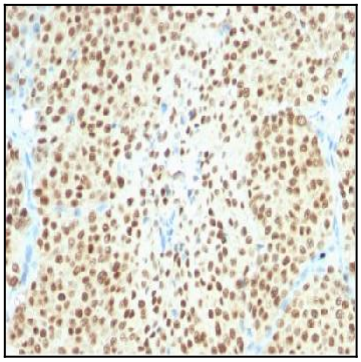


Figure 1: Formalin-fixed, paraffin-embedded Human Melanoma stained with SOX10 Rabbit Recombinant Monoclonal Antibody (SOX10/2311R).

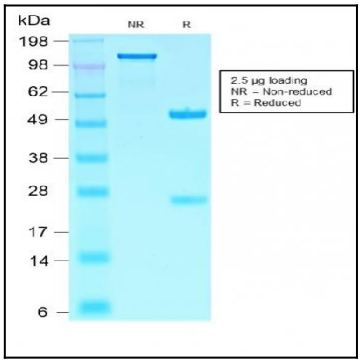


Figure 2: SDS-PAGE Analysis Purified SOX10 Rabbit Recombinant Monoclonal Antibody (SOX10/2311R).

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