

Mouse SOX10 Monoclonal Antibody | anti-SOX10 antibody

SOX10 (Melanoma Marker) Mouse Monoclonal Antibody [Clone PCRP-SOX10-1D8]

CATALOG # AAA215933	HOST Mouse	REACTIVITY Human Predicted to work with Mouse and Rat.	APPLICATIONS Immunohistochemistry
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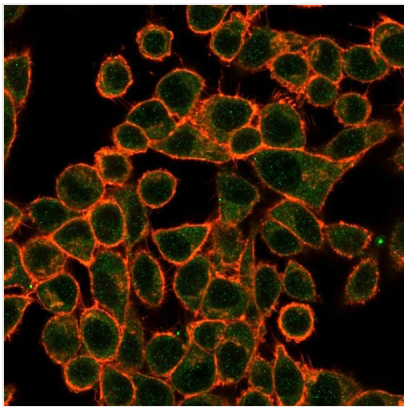
PRODUCT SYNONYMS

SOX10; Monoclonal Antibody; SOX10 (Melanoma Marker) Mouse Monoclonal Antibody [Clone PCRP-SOX10-1D8]; SOX10 (Melanoma Marker); DOM; PCWH; SRY (sex determining region Y) box 10; SRY box containing gene 10; SRY related HMG box gene 10; Waardenburg syndrome type 2E(WS2E); WS4; Waardenburg syndrome type 4C (WS4C); anti-SOX10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to work with Mouse and Rat.
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-SOX10-1D8
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SOX10 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human SOX10 protein fragment (around aa90-179) (exact sequence is proprietary)
Cellular Localization	Nuclear
Positive Control	COLO-38 or HepG2 cells. Human melanomas, breast carcinomas or gliomas.
Hu-chromosome Location	22q13.1
Unigene	376984
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of PFA-fixed HeLa cells. SOX10 Mouse Monoclonal Antibody (PCRP-SOX10-1D8) followed by IgG-CF488 (green), phalloidin counterstain (red).

ADDITIONAL INFORMATION

Related Product Information for anti-SOX10 antibody	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. 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. SOX10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. 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. Often used melanoma markers, such as anti-HMB45 and anti-MelanA, are poorly expressed in desmoplastic melanomas while SOX10 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 & myoepithelial cells of salivary, bronchial & mammary glands. SOX-10 expression is also observed in mast cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5902104
NCBI GeneID	6663
NCBI Accession #	NP_008872
NCBI GenBank Nucleotide #	NM_006941.3
UniProt Accession #	P56693; Q6FWH7; B4DV62
Molecular Weight	Predicted: 51 kDa Observed: 54 kDa
NCBI Official Full Name	transcription factor SOX-10
NCBI Official Synonym Full Names	SRY-box 10
NCBI Official Symbol	SOX10
NCBI Official Synonym Symbols	DOM; WS4; PCWH; WS2E; WS4C
NCBI Protein Information	transcription factor SOX-10
UniProt Protein Name	Transcription factor SOX-10
UniProt Gene Name	SOX10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/sox10-antibody-clone-pcrp-sox10-1d8-immunohistochemistry-elisa/215933>