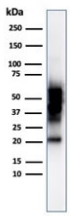
SOX10 Antibody [clone SOX10/992] (V8813)

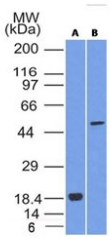
Catalog No.	Formulation	Size
V8813-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8813-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8813SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

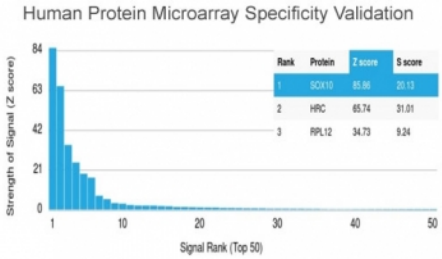
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SOX10/992
Purity	Protein A/G affinity
UniProt	P56693
Localization	Nuclear
Applications	ELISA (For Coating Purchase Antibody Without BSA) : Western Blot : 1-2ug/ml
Limitations	This SOX10 antibody is available for research use only.



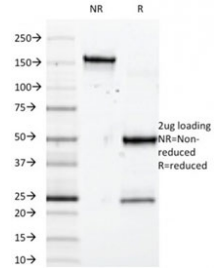
Western blot testing of human COLO-38 cell lysate using SOX10 antibody (clone SOX10/992). Expected molecular weight: 50-58 kDa.



Western blot analysis of SOX10 (A) recombinant protein and (B) human A375 cell lysate using SOX10 antibody (clone SOX10/992). Expected molecular weight: 50-58 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SOX10 antibody (clone SOX10/992). These results demonstrate the foremost specificity of the SOX10/992 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free SOX10 antibody (SOX10/992) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the SOX10 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 115-269 was used as the immunogen for the SOX10 antibody.

Storage

Aliquot the SOX10 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.