

# Product Datasheet

## SOX10 Antibody (SOX10/1074) [DyLight 350] NBP2-59623UV

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-59623UV**

SOX10 Antibody (SOX10/1074) [DyLight 350]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	SOX10/1074
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	DyLight 350
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	6663
Gene Symbol	SOX10
Species	Human, Mouse
Marker	Melanoma Marker
Specificity/Sensitivity	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 monoclonal antibody 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, spindle, 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.
Immunogen	Recombinant human SOX10 protein fragment (around aa115-269) (exact sequence is proprietary) (Uniprot: P56693 )
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-59623UV**

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NBP1-43317UV	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 350]
H00006663-Q01-10ug	Recombinant Human SOX10 GST (N-Term) Protein
212-GD-010	GDNF [Unconjugated]
H00006663-P01-2ug	Recombinant Human SOX10 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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