

SOX18 Antibody

Mouse Monoclonal Antibody [Clone SOX18/3271]

Catalog No	Format	Size
54345-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
54345-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
54345-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

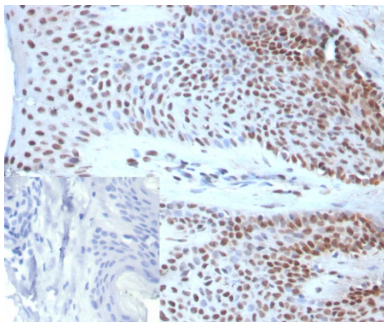
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

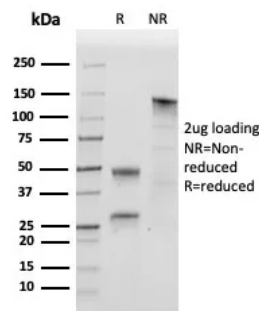
Clone	SOX18/3271
Gene Name	SOX18
Immunogen	Recombinant human SOX18 protein fragment (around aa 50-250) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	45kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Human heart kidney skin or endometrium.

*Optimal dilution for a specific application should be determined.

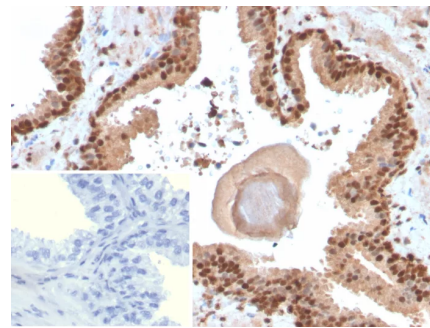
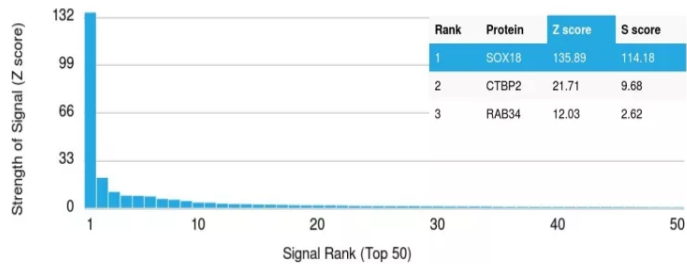
Product Images for SOX18 Antibody



Formalin-fixed, paraffin-embedded human skin stained with SOX18 Mouse Monoclonal Antibody (SOX18/3271). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis Purified SOX18 Mouse Monoclonal Antibody (SOX18/3271). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded human prostate stained with SOX18 Mouse Monoclonal Antibody (SOX18/3271). Inset: PBS instead of primary antibody; secondary only negative control.

Analysis of Protein Array containing more than 19,000 full-length human proteins using SOX18 Mouse Monoclonal Antibody (SOX18/3271) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Specificity & Comments

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 genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal. Sox-18 is a 384 amino acid nuclear protein that contains one HMG box DNA-binding domain and belongs to the Sox family of transcriptional regulators.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

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. No MSDS required.

Research Areas

Endothelial Cell Marker