Anti-SOX2 Antibody [rSOX2/1791] - BSA and Azide free (A253184)

Specifications:

Name:	Anti-SOX2 Antibody [rSOX2/1791] - BSA and Azide free
Description:	Recombinant mouse monoclonal [rSOX2/1791] antibody to SOX2.
Specificity:	SOX2 is required for stem cell maintenance in the central nervous system, and it also regulates gene expression in the stomach. SOX2 is necessary for regulating multiple transcription factors that affect Oct 3/4 expression. An essential function of SOX2 is to stabilize embryonic stem cells in a pluripotent state by maintaining the requisite level of Oct 3/4 expression. Reportedly, SOX2 is associated with aggressive phenotypes of breast, head and neck, gastric, colorectal, bladder, and small cell lung cancers. However, SOX2 is expressed in a high percentage of lung squamous cell carcinomas and has been shown to be an independent favorable prognostic marker.
Applications:	IHC
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human, Mouse
Immunogen:	Recombinant fragment, within amino acids 176-305, of human SOX2 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rSOX2/1791
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-SOX2 Antibody [rSOX2/1791] (A250004).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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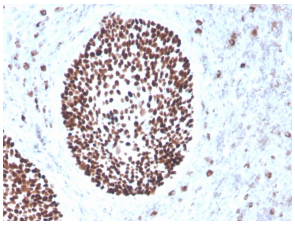
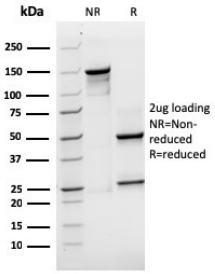
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cervix using Anti-SOX2 Antibody [rSOX2/1791].



SDS-PAGE analysis of Anti-SOX2 Antibody [rSOX2/1791] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.