

**Rabbit Anti-SOX11 [MD70R]: RM0411, RM0411RTU7**

**Intended Use:** For Research Use Only

**Description:** Transcription factor SOX11 is a member of the group C SOX (SRY-related HMG-box) transcription factor family involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may function in the developing nervous system and play a role in tumorigenesis and adult neurogenesis. SOX11 is normally expressed in the developing human central nervous system, Medulloblastoma, and Glioma. Anti-SOX11 nuclear protein expression is highly associated with both Cyclin D1-positive and negative Mantle Cell lymphomas, with a stronger and more homogeneous Immunohistochemistry staining than Cyclin D1.

**Specifications**

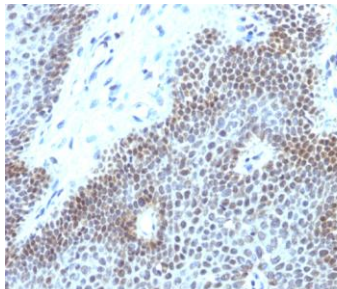
Clone:	MD70R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fragment 111 amino acid residues between aa50-200 of human SOX11 protein
Localization:	Nucleus
Formulation:	Protein A/G purified antibody in PBS pH 7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> )
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
SOX11 [MD70R] Concentrated	RM0411	1 ml
SOX11 [MD70R] Prediluted	RM0411RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue:	Hippocampus, cerebellum
Concentrated Dilution:	25-100
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker, or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human cervical carcinoma stained with anti-SOX11 using DAB

**References:**

1. A new marker, SOX11, aids the diagnosis of mantle cell lymphoma in the prostate: A case report. Chen B, et al. *Oncol Lett.* 2012 Aug;4(2):265-267.
2. The transcription factor Sox11 is a prognostic factor for improved recurrence-free survival in epithelial ovarian cancer. Brennan DJ, et al. *Eur J Cancer.* 2009 May;45(8):1510-7.
3. Identification of mesenchymal stem cell (MSC)-transcription factors by microarray and knockdown analyses, and signature molecule-marked MSC in bone marrow by immunohistochemistry. Kubo H, et al. *Genes Cells.* 2009 Mar;14(3):407-24.