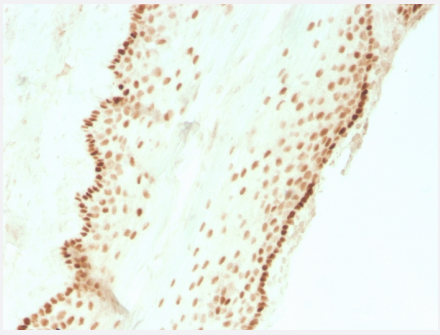
RecomAb™ Sm Size

SOX2 recombinant monoclonal antibody, clone SOX2/3811R

Catalog # RAB08994 Size 20 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cervical carcinoma.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against partial human SOX2.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to amino acids 176-305 of human SOX2.
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	ELISA (Use Ab at 2-4 ug/mL for coating) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide)
Storage Instruction	Store at 4°C.

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Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human cervical carcinoma.

Gene Info — SOX2

Entrez GeneID	6657
Protein Accession#	P48431
Gene Name	SOX2
Gene Alias	ANOP3, MCOPS3, MGC2413
Gene Description	SRY (sex determining region Y)-box 2
Omim ID	184429 206900
Gene Ontology	Hyperlink
Gene Summary	This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcriptio n factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malfor mation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2 OT). [provided by RefSeq
Other Designations	SRY-related HMG-box gene 2|sex-determining region Y-box 2|transcription factor SOX2

Disease

- Anophthalmos
- Coloboma
- Diabetes Mellitus
- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Kidney Failure

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- Microphthalmos
- Myopia

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