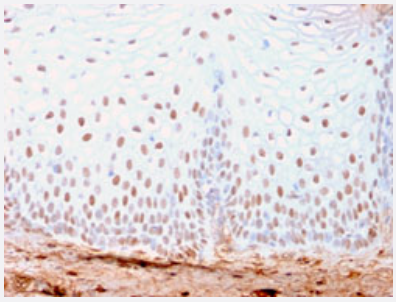
RecomAb™

SOX2 recombinant monoclonal antibody, clone SOX2/3169R

Catalog # RAB00626 Size 100 ug

Applications



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

Immunohistochemical staining of human skin.

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 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

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

  Immunohistochemical staining of human skin.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Kidney Failure
- Microphthalmos
- Myopia

Copyright © 2023 Abnova Corporation. All Rights Reserved.