

Datasheet

SOX2 polyclonal antibody

Catalog Number: PAB12025

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SOX2.

Immunogen: A synthetic peptide corresponding to amino acids 1-100 of human SOX2.

Host: Rabbit

Reactivity:

Chicken, Human, Mouse, Sheep, Xenopus, Zebra fish

Applications: IHC, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Flow Cytometry (1:100)

Immunocytochemistry (1:125-1:250)

Immunofluorescence (1:50-1:200)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:125-1:250)

Western Blot (0.5 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris-glycine, 150 mM NaCl (0.05% sodium azide)

Storage Instruction: Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6657

Gene Symbol: SOX2

Gene Alias: ANOP3, MCOPS3, MGC2413

Gene Summary: This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of

transcription 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 malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq]