

Datasheet

SOX2 polyclonal antibody

Catalog Number: PAB12735

Regulatory Status: For research use only (RUO)

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

Immunogen: A synthetic peptide corresponding to N-terminus of human SOX2.

Host: Rabbit

Theoretical MW (kDa): 35

Reactivity: Human, Mouse, Rat

Applications: ELISA, IHC, IP, 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

Specificity: This antibody recognizes ~35 kDa of human SOX2.

Form: Liquid

Recommend Usage: Western Blot (0.1-1 µg/mL)
ELISA (0.01-0.1 µg/mL)
Immunoprecipitation (2-5 µg/mL)
Immunohistochemistry (2-5 µg/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction: Store at 4°C. For long term storage store at -20°C or lower.
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]

References:

1. Sox-2 is expressed by neural progenitors and astroglia in the adult rat brain. Komitova M, Eriksson PS. *Neurosci Lett.* 2004 Oct 7;369(1):24-7.