

Datasheet

SOX2 monoclonal antibody, clone CL4716

Catalog Number: MAB15713

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant human SOX2.

Clone Name: CL4716

Immunogen: Recombinant protein corresponding to human SOX2.

Sequence:

GSYSMMQDQLGYPQHPGLNAHGAAQMOPMHRVDVS
ALQYNSMTSSQTYMNGSPTYSMSYSQQGTPGMALG
SM

Host: Mouse

Reactivity: Human, Mouse

Applications: IF, IHC-P, WB-Ce

(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

Purification: Protein A purification

Isotype: IgG1

Recommend Usage: Immunohistochemistry

(Formalin/PFA-fixed paraffin-embedded sections)
(1:1000-1:2500)

Immunofluorescence (1-4 ug/mL)

Western Blot (1:500-1:1000)

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

Storage Buffer: In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction: Store at 4°C. For long term

storage store at -20°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]