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Datasheet

SOX2 monoclonal antibody, clone SOX2/1791

Catalog Number: MAB14987

Regulation Status: For research use only (RUO)

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

Clone Name: SOX2/1791

Immunogen: Recombinant protein corresponding to amino acids 176-305 of human SOX2.

Host: Mouse

Theoretical MW (kDa): 34

Reactivity: Human

Applications: ELISA, Flow Cyt, IF, IHC-P, WB
(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/G purification

Isotype: IgG2b, kappa

Recommend Usage: ELISA (2-4 ug/mL for coating)
Flow Cytometry (0.5-1 ug/10^6 cells)
Immunofluorescence (1-2 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)
Western Blotting (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 10 mM PBS.

Storage Instruction: Store at -20 to -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]

References:

1. Ancestry and diversity of the HMG box superfamily. Laudet V, Stehelin D, Clevers H. Nucleic Acids Res. 1993 May 25;21(10):2493-501.