

Datasheet

SOX2 polyclonal antibody (A01)

Catalog Number: H00006657-A01

Regulatory Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length recombinant SOX2.

Immunogen: SOX2 (AAH13923, 1 a.a. ~ 317 a.a) full-length recombinant protein with GST tag.

Sequence:

MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQK
NSPDRVKRPMNAFMVWSRGHRRKMAQENPKMHNSE
ISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDY
KYRPRRKTTLMKKDKYTLPGGLLAPGGNSMASGVG
VGAGLGAGVNQRMDSYAHMNGWSNGSYSMMQDQL
GYPQHPGLNAHGAAQMMPHRYDVSALQYNSMTSS
QTYMNGSPTYSMSYSQQGTPGMALGSMGSVVKSEA
SSSPPVVTSSSHSRAPCQAGDLRDMISMYPGAEVPE
PAAPSRLHMSQHYQSGPVPGTAINGTLP LSHM

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re

(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

Storage Buffer: 50 % glycerol

Storage Instruction: 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. A combined microRNA-based targeted therapeutic approach to eradicate glioblastoma stem-like cells. Esposito CL, Nuzzo S, Kumar SA, Rienzo A, Lawrence CL, Pallini R, Shaw L, Alder JE, Ricci-Vitiani L, Catuogno S, de Franciscis V Journal of Controlled Release. 2016 Sep 28;238:43-57.