

## Datasheet

### SOX2 monoclonal antibody, clone 57CT23.3.4

**Catalog Number:** MAB12319

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against human SOX2.

**Clone Name:** 57CT23.3.4

**Immunogen:** Recombinant protein corresponding to human SOX2.

**Host:** Mouse

**Reactivity:** Human

**Applications:** Flow Cyt, 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 G purification

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (1:10-1:50)  
Immunohistochemistry (1:50-1:100)  
Immunofluorescence (1:100)  
Western Blot (1:200-1:2000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.09% 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]