



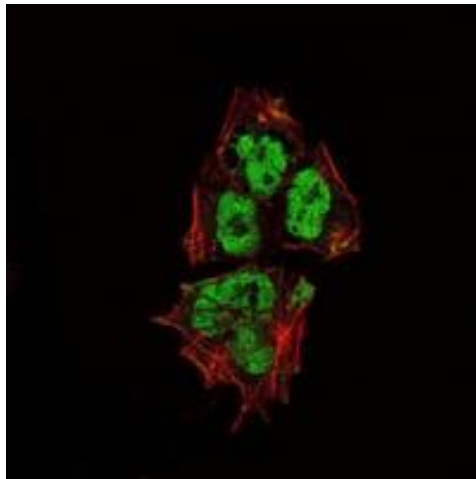
SOX2 Mouse mAb

E220170**Catalog Number:**E220170**Amount:**100ul**Product Name:**SOX2 Mouse mAb**Gene ID:**6657**SwissProt ID:**P48431**Gene Name:**SOX2**Alternative Names:**ANOP3; MCOPS3

Background: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).

Research Field:Neuroscience**Product Categories:**Primary antibody**Host:**Mouse**Reactivity:**Human**Application:**IHC-P, ICC/IF**Dilution Ratio:**IHC: 1/100-1/200 IF: 1/50-1/200**Clonality:**Monoclonal Antibody**Clonality No.:**6N1-R6-U9**Isotype:**Mouse IgG1**Immunogen:**Purified recombinant fragment of human SOX2 expressed in E. Coli.**Purification:**Affinity Chromatography**Conjugation:**Unconjugated**Modification:**Unmodified**Form:**Liquid**Buffer System:**Ascitic fluid containing 0.03% sodium azide.**Storage:**Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

For Research Use Only



Immunocytochemistry analysis of SOX2 in NTERA-2 cells using SOX2 antibody (green). Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.