Product Name: SOX2 Mouse Monoclonal Antibody
Catalog #: AMM80684
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	34.3kDa

Antigen Information

Gene Name	SOX2
Alternative Names	ANOP3; MCOPS3; MGC2413
Gene ID	6657.0
SwissProt ID	P48431
Immunogen	Purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.

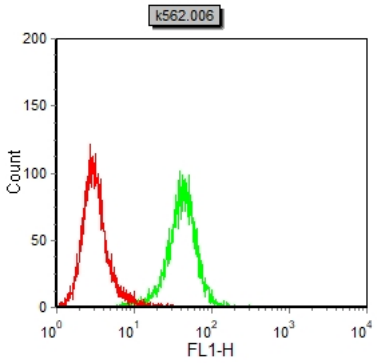
Background

SOX2: SRY (sex determining region Y)-box 2. Entrez Protein NP_003097. It is 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

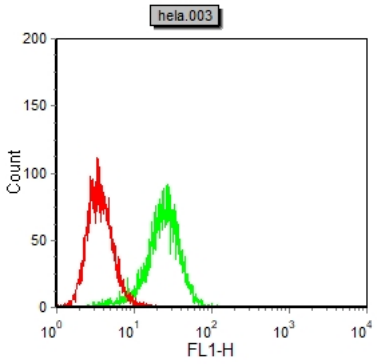
the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

Research Area

Image Data



Flow cytometric analysis of K562 cells using SOX2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of hela cells using SOX2 mouse mAb (green) and negative control (red).