

## SOX2 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2801
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.
<b>Mol wt</b>	34.3kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	Others
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	ANOP3;MCOPS3;MGC2413

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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).

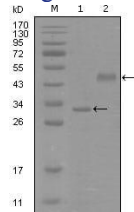
### Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

### Images



Western blot analysis using SOX2 mouse mAb against truncated Trx-SOX2 recombinant protein (1) and truncated MBP-SOX2(aa1-170) recombinant protein (2).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.