

SOX-2 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1154
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of SOX-2 (aa1-170) expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Transcription factor SOX-2
Synonyms	SOX2; Transcription factor SOX-2

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

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).

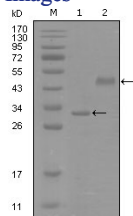
Recommended Dilution

ELISA: 1:10000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using SOX-2 Monoclonal antibody against truncated Trx-SOX2 recombinant protein (1) and truncated MBP-SOX2(aa1-170) recombinant protein (2).

Storage

-20°C for one year