

## Product datasheet for **AM06273SU-N**

### SOX2 Mouse Monoclonal Antibody [Clone ID: 10F10C9]

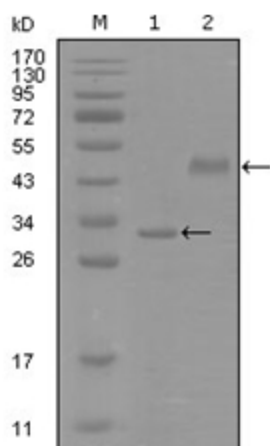
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	10F10C9
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.
Specificity:	Recognizes SRY (sex determining region Y)-box 2 (SOX2).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	SRY-box 2
Database Link:	<a href="#">Entrez Gene 6657 Human P48431</a>
Background:	This protein 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).
Synonyms:	Transcription factor SOX-2, ANOP3, MCOPS3, SRY-box 2



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## Product images:



Western blot analysis using SOX2 antibody Cat.-No AM06273SU-N against truncated Trx-SOX2 recombinant protein (1) and truncated MBP-SOX2 (aa1-170) recombinant protein (2).