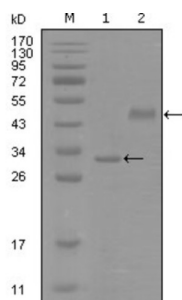


Transcription Factor SOX-2 (SOX2) Antibody

Catalogue No.: abx011547



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

SOX2: SRY (sex determining region Y)-box 2. Entrez Protein NP003097. 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).

Target:	Transcription Factor SOX-2 (SOX2)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of SOX2 (aa1-170) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P48431 (UniProt , ExPASy)

Datasheet

Version: 2.0.0

Revision date: 15 Aug 2025



Gene Symbol:	SOX2
GeneID:	6657
OMIM:	184429
HGNC:	11195
KEGG:	hsa:6657
Ensembl:	ENSG00000181449
String:	9606.ENSP00000323588
Molecular Weight:	34.3 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.