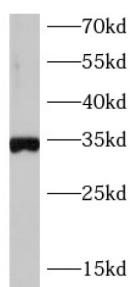
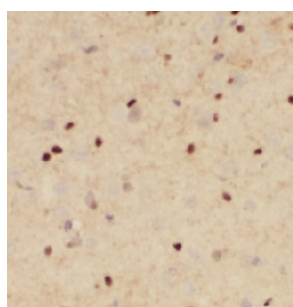


Transcription Factor SOX-2 (SOX2) Antibody

Catalogue No.: abx240016



WB analysis of MCF-7 cells, using SOX2 antibody (1/1000 dilution).



IHC-P analysis of mouse brain tissue, using SOX2 antibody (1/100 dilution).

Transcription Factor SOX-2 (SOX2) Antibody is a Mouse Monoclonal antibody for the detection of SOX2.

Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal (By similarity). Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).

Target: Transcription Factor SOX-2 (SOX2)

Clonality: Monoclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB, IHC

Host: Mouse

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: SRY(sex determining region Y)-box 2

Datasheet

Version: 1.0.0
Revision date: 10 Jun 2025



Isotype:	IgG ₁
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by Protein A and Protein G affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P48431 (UniProt , ExPASy)
Gene Symbol:	SOX2
GeneID:	6657
OMIM:	184429
HGNC:	11195
KEGG:	hsa:6657
Ensembl:	ENSG00000181449
String:	9606.ENSP00000323588
Molecular Weight:	Observed MW: 34 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.