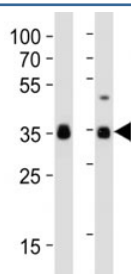


## Anti-SOX2 Antibody (F52993)

Catalog No.	Formulation	Size
F52993-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52993-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Chicken
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P48431
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This anti-SOX2 antibody is available for research use only.



Western blot analysis of lysate from human NCCIT, mouse F9 cell line (left to right) using anti-SOX2 antibody at 1:1000 for each lane.

## Description

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).

## Application Notes

Titration of the anti-SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This anti-SOX2 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 282-316 amino acids from the C-terminal region of human SOX2.

## Storage

Aliquot the anti-SOX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.