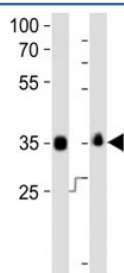


Anti-SOX-2 Antibody (F52893)

Catalog No.	Formulation	Size
F52893-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52893-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P48432
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1:1000
Limitations	This anti-SOX-2 antibody is available for research use only.



Western blot analysis of lysate from human NCCIT, mouse F9 cell line (left to right) using anti-SOX-2 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. 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. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).

Application Notes

Titration of the anti-SOX-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This anti-SOX-2 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 6~39 amino acids from the N-terminal region of mouse Sox2.

Storage

Aliquot the anti-SOX-2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.