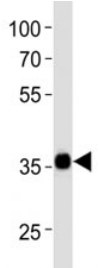
SOX2 Antibody (F52921)

Catalog No.	Formulation	Size
F52921-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52921-0.08ML	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
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P48431
Localization	Cytoplasmic, nuclear
Applications	1:1000
Limitations	This SOX2 antibody is available for research use only.



Western blot analysis of lysate from NCCIT cell line using SOX2 antibody at 1:1000.

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 SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This SOX2 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 30-63 amino acids from the N-terminal region of human SOX2.

Storage

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

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