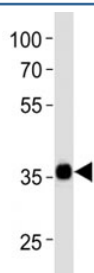


## SOX2 Antibody (F52921)

| 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](#)

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                      |
| <b>Species Reactivity</b> | Human                                                  |
| <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 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.