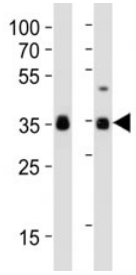
# Anti-SOX2 Antibody (F52993)

| 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**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Predicted Reactivity** | Chicken |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P48431 |
| **Localization** | Cytoplasmic, nuclear |
| **Applications** | Western blot: 1:1000 |
| **Limitations** | 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.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