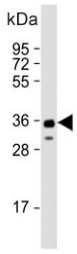
# SOX2 Antibody (F54738)

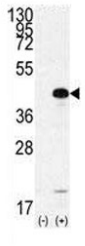
| Catalog No. | Formulation | Size |
|---|---|---|
| F54738-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54738-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

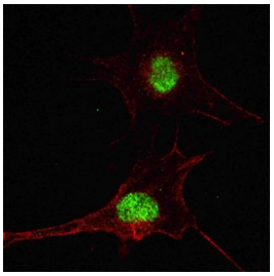
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | P48431 |
| **Localization** | Nuclear |
| **Applications** | Immunofluorescence : 1:25<br>Western Blot : 1:500-1:2000<br>Flow Cytometry : 1:25 (1x10e6 cells) |
| **Limitations** | This SOX2 antibody is available for research use only. |



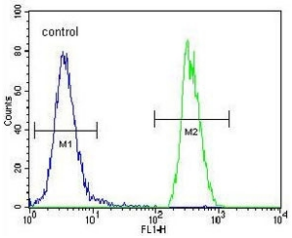

Western blot testing of human NCCIT cell lysate with SOX2 antibody. Predicted molecular weight ~34 kDa.




Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with SOX2 antibody.



Immunofluorescent staining of fixed and permeabilized human SH-SY5Y cells with SOX2 antibody (green) and anti-Actin (red).




Flow cytometry testing of human HEK293 cells with SOX2 antibody; Blue=isotype control, Green= SOX2 antibody.

## Description

SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. This protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in the SOX2 gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 251-284 from the human protein was used as the immunogen for the SOX2 antibody.

## Storage

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

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