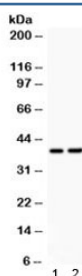


## SOX1 Antibody (R31791)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31791      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                             |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                             |
| <b>Format</b>             | Antigen affinity purified                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                    |
| <b>Isotype</b>            | Rabbit IgG                                                    |
| <b>Purity</b>             | Antigen affinity                                              |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| <b>UniProt</b>            | O00570                                                        |
| <b>Applications</b>       | Western Blot : 0.1-0.5ug/ml                                   |
| <b>Limitations</b>        | This SOX1 antibody is available for research use only.        |



Western blot testing of 1) rat brain and 2) mouse NIH3T3 lysate with SOX1 antibody. Predicted/observed molecular weight ~39 kDa.

## Description

SOX1 (for Sex determining region Y-box 1), located in 13q34, is a transcription factor in the Sox protein family. It means that this intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development. SOX1 expression is restricted to neuroectoderm in the tetrapod embryo. It is expressed particularly in the ventral striatum.

## Application Notes

Optimal dilution of the SOX1 antibody should be determined by the researcher.

## Immunogen

Amino acids QHPGAGGAHPHAHPAHPHPHHPHAHPHNPQPMHR of human SOX1 were used as the immunogen for the SOX1 antibody.

## Storage

After reconstitution, the SOX1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.