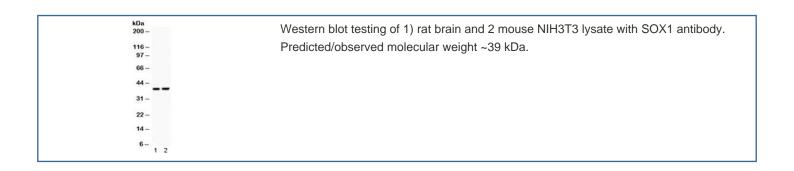


# SOX1 Antibody (R31791)

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

#### **Bulk quote request**

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



### **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 neuroectodermin 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 QHPGAGGAHPHAHPHHPHHPHAHPHNPQPMHR 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.