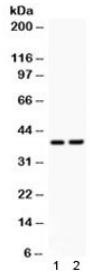
SOX1 Antibody (R31791)

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
Host	Rabbit
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.



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

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