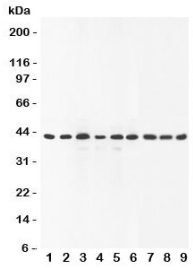
SOX7 Antibody (R31409)

Catalog No.	Formulation	Size
R31409	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/thimerosal
UniProt	Q9BT81
Applications	Western blot: 0.5-1ug/ml
Limitations	This SOX7 antibody is available for research use only.



Western blot testing of SOX7 antibody and Lane 1: rat brain; 2: human placenta; 3: (r) lung; 4: (r) testis; 5: (h) HeLa; 6: (h) A549; 7: (h) HEPG2; 8: (h) SMMC-7721; 9: mouse Neuro-2a lysate

Description

SOX7 belongs to SOX gene family and member proteins are transcription factors with critical roles in the regulation of diverse developmental processes. In cotransfected 293 cells, SOX7 reduced Wnt/beta-catenin stimulated transcription. SOX7 is a potent activator of FGF3 transcription. It not only plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium but also blocks further differentiation into blood precursors. And it may be required for the survival of both hematopoietic and endothelial precursors during specification.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the SOX7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human SOX7 (LISVLADATATYYNSYSVS) was used as the immunogen for this SOX7 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the SOX7 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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