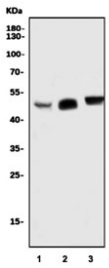
SOX7 Antibody (RQ6519)

Catalog No.	Formulation	Size
RQ6519	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BT81
Applications	Western blot: 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SOX7 antibody is available for research use only.



Western blot testing of human 1) COLO-320, 2) PC-3 and 3) A431 cell lysate with SOX7 antibody. Predicted molecular weight: 42/49 kDa (isoforms 1/2).

Description

SOX7 belongs to SOX gene family and SOX proteins are transcription factors with critical roles in the regulation of diverse developmental processes. This gene is mapped to 8p23.1. SOX7 gene contains at least 2 exons. In co-transfected 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

Optimal dilution of the SOX7 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids K57-D343) was used as the immunogen for the SOX7 antibody.

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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