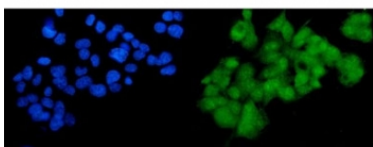


SOX18 Antibody (RQ6340)

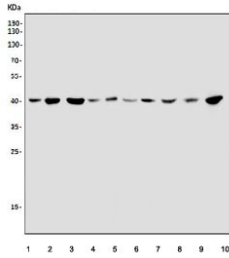
Catalog No.	Formulation	Size
RQ6340	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

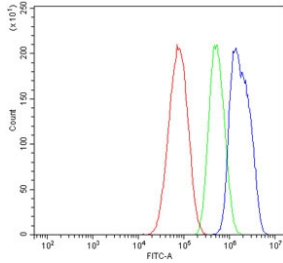
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P35713
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA
Limitations	This SOX18 antibody is available for research use only.



Immunofluorescent staining of FFPE human HepG2 cells with SOX18 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Jurkat, 2) human COLO-320, 3) human HeLa, 4) human HepG2, 5) monkey COS-7, 6) rat heart, 7) rat lung, 8) rat liver, 9) mouse lung and 10) mouse liver lysate with SOX18 antibody. Predicted molecular weight ~41 kDa.



Flow cytometry testing of human HepG2 cells with SOX18 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SOX18 antibody.

Description

Transcription factor SOX-18 is a protein that in humans is encoded by the SOX18 gene. This 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 regulator after forming a protein complex with other proteins. This protein plays a role in hair, blood vessel, and lymphatic vessel development. Mutations in this gene have been associated with recessive and dominant forms of hypotrichosis-lymphedema-telangiectasia.

Application Notes

Optimal dilution of the SOX18 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E63-E362) was used as the immunogen for the SOX18 antibody.

Storage

After reconstitution, the SOX18 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.