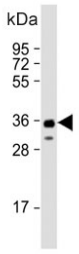
SOX2 Antibody (F54738)

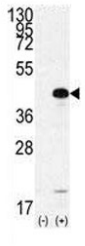
Catalog No.	Formulation	Size
F54738-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54738-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

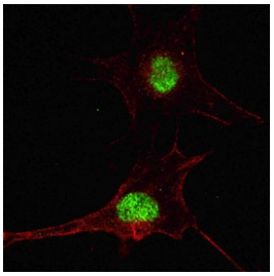
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P48431
Localization	Nuclear
Applications	Immunofluorescence: 1:25 Western blot: 1:500-1:2000 Flow cytometry: 1:25 (1x10e6 cells)
Limitations	This SOX2 antibody is available for research use only.



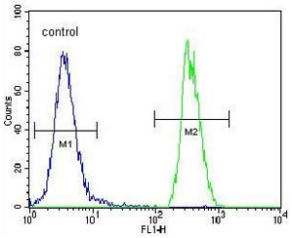
Western blot testing of human NCCIT cell lysate with SOX2 antibody. Predicted molecular weight ~34 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with SOX2 antibody.



Immunofluorescent staining of fixed and permeabilized human SH-SY5Y cells with SOX2 antibody (green) and anti-Actin (red).



Flow cytometry testing of human HEK293 cells with SOX2 antibody; Blue=isotype control, Green= SOX2 antibody.

Description

SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. This protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in the SOX2 gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 251-284 from the human protein was used as the immunogen for the SOX2 antibody.

Storage

Aliquot the SOX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.