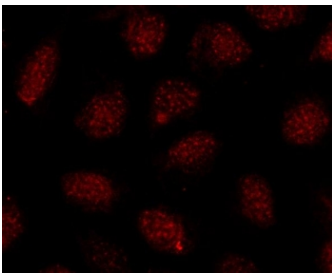


SOX10 Antibody (RQ8265)

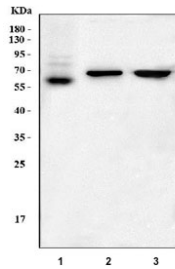
Catalog No.	Formulation	Size
RQ8265	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

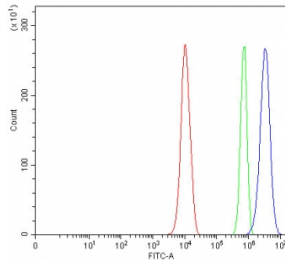
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P56693
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This SOX10 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with SOX10 antibody (red).
HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human A375, 2) rat brain and 3) mouse brain tissue lysate with SOX10 antibody. Expected molecular weight: 50-58 kDa.



Flow cytometry testing of fixed and permeabilized human PC-3 cells with SOX10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SOX10 antibody.

Description

Transcription factor SOX-10 is a protein that in humans is encoded by the SOX10 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 activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease.

Application Notes

Optimal dilution of the SOX10 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (R178-L301) was used as the immunogen for the SOX10 antibody.

Storage

After reconstitution, the SOX10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.