

Cat. No:	AB-10868
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic Peptide of human SOX10
Reactivity:	Hu,Ms,Rt
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry: 1:50 - 1:50 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	55kDa
Purification:	Aff. Pur.
Synonyms:	SOX10;DOM;PCWH;WS2E;WS4;WS4C

Background: 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.

Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of Rat heart, using SOX10 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 180s.



Immunohistochemistry of paraffin-embedded human brain tissue slide using SOX10 antibody at dilution of 1:100



Immunofluorescence analysis of C6 cells using SOX10 Rabbit pAb at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.

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