

# SOX10 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived recombinant human SOX10 Met1-Ala118
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608449

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	5-15 µg/mL	-
ChIP assay (ChIP)	2.5 µg/10 <sup>6</sup> cells	-

## Product Specific Information

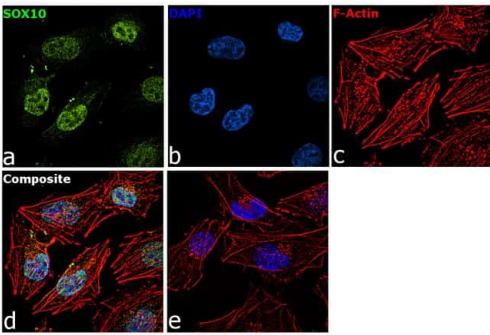
In direct ELISAs, less than 2% cross-reactivity with recombinant human (rh) SOX2, rhSOX7 and rhSOX17 is observed.

Reconstitute at 0.2 mg/mL in sterile PBS.

## Product Images For SOX10 Polyclonal Antibody

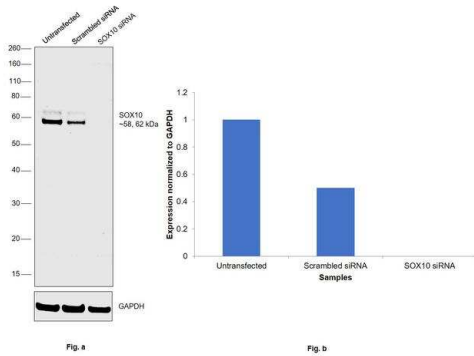
### SOX10 Antibody (PA5-47001) in ICC/IF

Immunofluorescence analysis of SOX10 was performed using 70% confluent log phase A-375 cells treated with SOX10 polyclonal antibody (Product # PA5-47001). The cells were fixed with 4% paraformaldehyde for 10 Minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. cells were labeled with SOX10 polyclonal antibody (Product # PA5-47001) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Rabbit anti-Goat IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27012) at a dilution of 1:2,000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



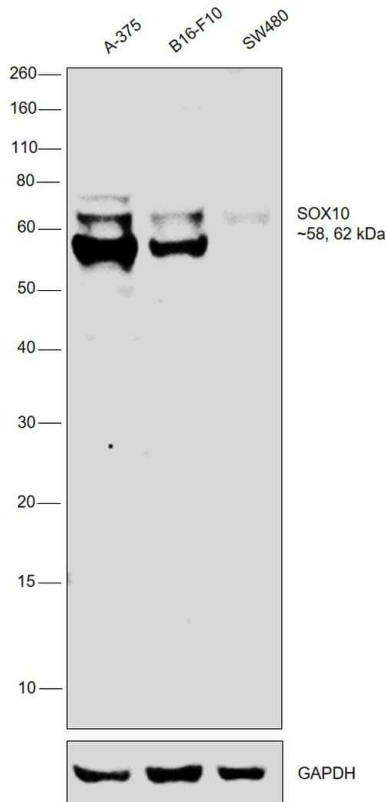
### SOX10 Antibody (PA5-47001)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-375 cells were transfected with SOX10 siRNA and decrease in signal intensity was observed in western blot application using Anti-SOX10 Polyclonal Antibody (Product # PA5-47001). {KD}



### SOX10 Antibody (PA5-47001)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cells lines tested owing to their inherent genetic constitution. Relative expression of SOX10 was observed in A-375 in comparison to SW480 using Anti-SOX10 Polyclonal Antibody (Product # PA5-47001) in Western Blot. {RE}



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## 1 Reference

### Immunohistochemistry (Paraffin) (1)

Developmental neurobiology

#### Migration and fate of vestibular melanocytes during the development of the human inner ear.

"PA5-47001 was used in Immunohistochemistry (Paraffin) to investigate the distribution and maturation of the vestibular melanocytes in relation to the developing dark cell epithelium in inner ear specimens from week 5 to week 14 of development and in surgical specimens of the adult ampulla."

Authors: van Beelen ESA, van der Valk WH, de Groot JCMJ, Hensen EF, Locher H, van Benthem PPG

Year  
2020

Species  
Human

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