

Datasheet for ABIN7270568
anti-SOX10 antibody (AA 200-300)



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4 Images

Overview

Quantity:	100 µL
Target:	SOX10
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	SOX10 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human SOX10 (NP_008872.1).
Sequence:	TAAIQAHYKS AHLDRHPGE GSPMSDGNPE HPSGQSHGPP TPPTTPKTEL QSGKADPKRD GRSMGEGGKP HIDFGNVDIG EISHEVMSNM ETFDVAELDQ Y
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

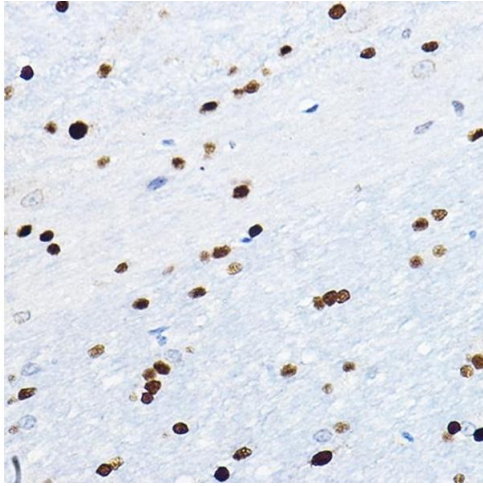
Target:	SOX10
Alternative Name:	SOX10 (SOX10 Products)
Background:	<p>This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional 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.,SOX10,DOM,PCWH,WS2E,WS4,WS4C,Epigenetics & Nuclear Signaling,Transcription Factors,Cell Biology & Developmental Biology,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cell marker,SOX10</p>
Molecular Weight:	31kDa/49kDa
Gene ID:	6663
UniProt:	P56693
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

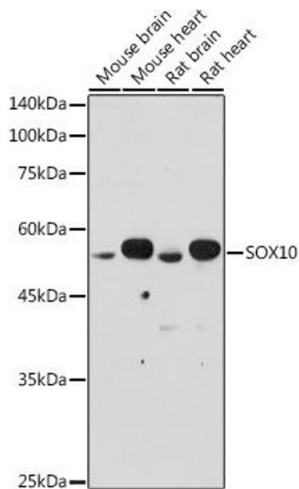
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



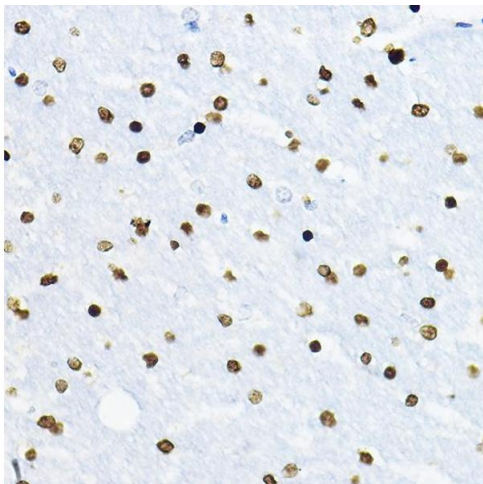
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using SOX10 Rabbit pAb (ABIN7270568) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SOX10 antibody (ABIN7270568) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using SOX10 Rabbit pAb (ABIN7270568) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7270568.