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Datasheet for ABIN7270575
anti-SOX4 antibody (AA 1-100)

2 Images

Overview

Quantity:	100 µL
Target:	SOX4
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	SOX4 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SOX4 (NP_003098.1).
Sequence:	MVQQTNNAEN TEALLAGESS DSGAGLELGI ASSPTPGSTA STGGKADDPS WCKTPSGHIK RPMNAFMVWS QIERRKIMEQ SPDMHNAEIS KRLGKRWKLL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

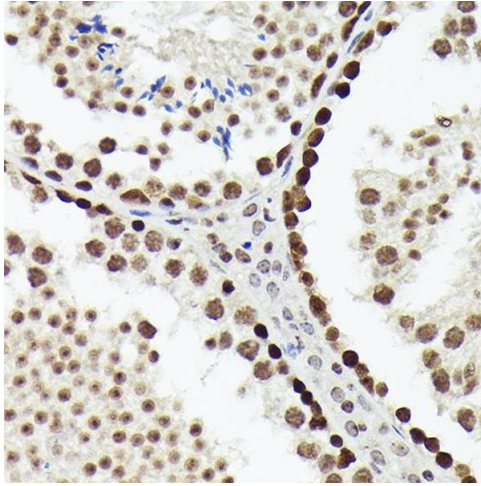
Target:	SOX4
Alternative Name:	SOX4 (SOX4 Products)
Background:	<p>This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.,SOX4,EVI16,SRY-box 4,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cells,Neural Stem Cell marker,SOX4</p>
Molecular Weight:	47kDa
Gene ID:	6659
UniProt:	Q06945

Application Details

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

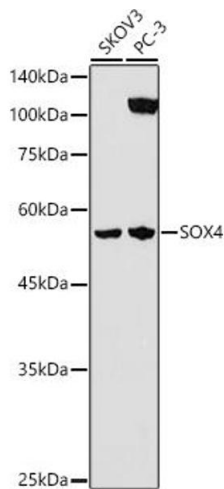
Handling

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 testis using SOX4 antibody (ABIN7270575) at dilution of 1:150 (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 SOX4 antibody (ABIN7270575) at 1:1000 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.