

Datasheet for ABIN932199

**anti-SOX4 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	SOX4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SOX4 antibody is un-conjugated
Application:	Dot Blot (DB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	SOX4 antibody was raised in mouse using recombinant Human Sry (Sex Determining Region Y)-Box 4 (Sox4)
Clone:	154C4a
Isotype:	IgG2a
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	SOX4
Alternative Name:	SOX4 ( <a href="#">SOX4 Products</a> )

## Target Details

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**Background:** 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. Synonyms: Monoclonal SOX4 antibody, Anti-SOX4 antibody, SRY (sex determining region Y) box 4 antibody, EVI16 antibody.

## Application Details

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**Application Notes:** ICC: 2-100 µg/mL  
Optimal conditions should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** Lot specific

**Buffer:** SOX4 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

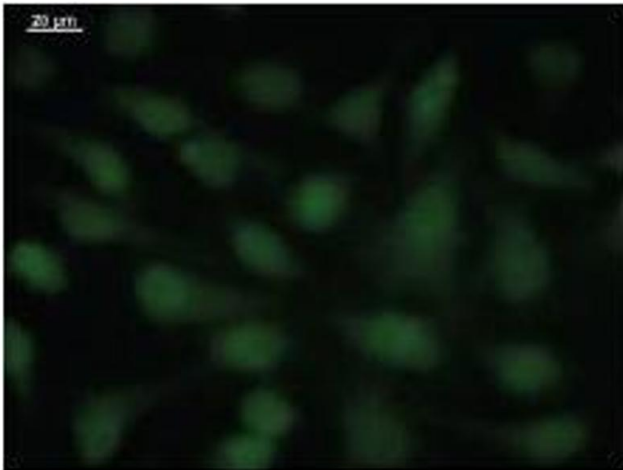
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

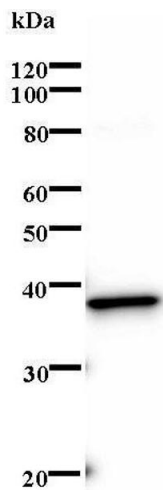
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



### Immunofluorescence

**Image 1.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-SOX4 antibody.



### Western Blotting

**Image 2.**