

Datasheet for ABIN6655256  
**anti-SOX4 antibody**



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2 Images

## Overview

Quantity:	100 µL
Target:	SOX4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	SOX4 Antibody
Immunogen:	Anti-SOX4 Antibody was produced in rabbits by repeated immunizations with two different synthetic peptides of human SOX4 containing an amino acid sequence from the N-terminus and C-terminus of the protein respectively.
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity with SOX4 from other species not tested.
Purification:	Anti-SOX4 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration.
Sterility:	Sterile filtered

## Target Details

Target:	SOX4
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## Target Details

Alternative Name:	SOX4 ( <a href="#">SOX4 Products</a> )
Background:	<p>Synonyms: Transcription factor SOX-4, EVI16, Sex determining region Y box 4</p> <p>Background: SOX4 belongs to the SOX family of transcription factors. These transcription factors are characterized by the conserved HMG (high mobility group) DNA binding domain and are involved in embryonic development. SOX4 has been shown to be important for the development of the cardiac outflow tract and of the internal nervous system. SOX 4 may also be involved in the apoptosis pathway where it can either lead to cell death or to tumorigenesis, and has been associated with several human cancer types. Anti-SOX4 Antibody is ideal for research in Cell Differentiation and Development, Gene Expression, Apoptosis and Cancer.</p> <p>Gene Name: SOX4</p>
Gene ID:	6659
NCBI Accession:	<a href="#">NP_003098</a>
UniProt:	<a href="#">Q06945</a>

## Application Details

Application Notes:	<p>ELISA_Dilution: 1:100 - 1:1,000</p> <p>Western_Blot_Dilution: 1:4,000</p>
Comment:	Anti-SOX4 Antibody has been tested by ELISA and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 47 kDa in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	<p>Buffer: None</p> <p>Stabilizer: None</p> <p>Preservative: 0.05 % (w/v) Sodium Azide</p>
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:	4 °C, -20 °C

Handling

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Images

Western Blotting

**Image 1.** Western Blot of anti-SOX4 antibody Western Blot results of Rabbit anti-SOX4 antibody. (Image A) Lane 1: H1299 lung carcinoma cells transfected with HA-tagged SOX4. Lane 2: H1299 lung carcinoma cells transfected with HA-tagged truncated SOX4 (395X mutant). (Image B) Lane 1: H522 lung carcinoma lysates. Lane 2: H1299 lung carcinoma lysates. Lane 3: H1650 lung carcinoma lysates. Lane 4: H2126 lung carcinoma lysates. Primary antibody: SOX4 antibody at 1:4,000 overnight at 4°C. Secondary antibody: Goat anti-rabbit HRP antibody at 1:10,000 for 45 min at RT. Block: 2% Blotto/TBST overnight at 4°C. Image by M. Sanchez-Cespedes and S. Castillo Diez; Catalan Institute of Oncology, Barcelona, Spain.

ELISA

**Image 2.** ELISA of anti-SOX4 antibody ELISA results of Rabbit anti-SOX4 antibody. Antigen: BSA conjugated SOX4. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:18,000. Substrate: TMB .

