

### Datasheet for ABIN6655256 anti-SOX4 antibody

# **Images**



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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

### **Target Details**

Alternative Name:	SOX4 (SOX4 Products)	
Background:	Synonyms: Transcription factor SOX-4, EVI16, Sex determining region Y box 4	
	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 were 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.	
	Gene Name: SOX4	
Gene ID:	6659	
NCBI Accession:	NP_003098	
UniProt:	Q06945	
Application Details		
Application Notes:	ELISA_Dilution: 1:100 - 1:1,000	
	Western_Blot_Dilution: 1:4,000	
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:	Buffer: None	
	Stabilizer: None	
	Preservative: 0.05 % (w/v) Sodium Azide	
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

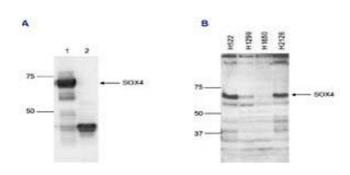
Storage Comment:

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:

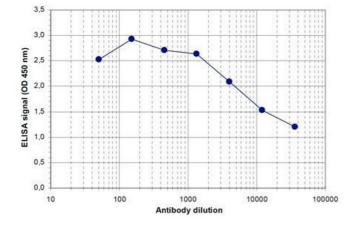
12 months

#### **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.