

Datasheet for 100-401-V96**SOX4 Antibody****Overview**

Description:	Anti-SOX4 (RABBIT) Antibody - 100-401-V96
Item No.:	100-401-V96
Size:	100 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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.
Synonyms:	Transcription factor SOX-4, EVI16, Sex determining region Y box 4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	SOX4
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
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.

Purity/Specificity: Anti-SOX4 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Cross reactivity with SOX4 from other species not tested.

Relevant Links:

- [UniProtKB - Q06945](#)
- [GeneID - 6659](#)
- [NCBI - NP_003098.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:100 - 1:1,000

WB: 1:4,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: Neat

Buffer: None

Preservative: 0.05% (w/v) Sodium Azide

Stabilizer: None

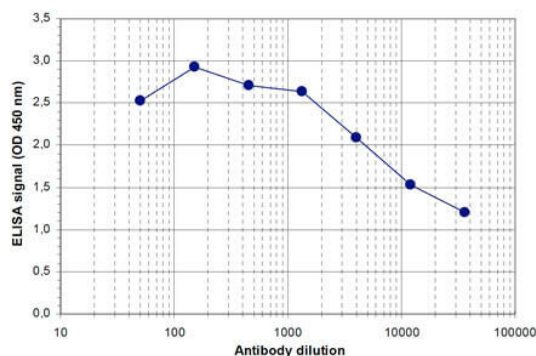
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: 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.

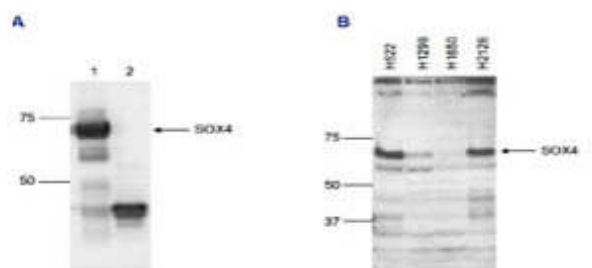
Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

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 (p/n TMBE-1000).



Western Blot

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% Biotin/TBST overnight at 4°C. Image by M. Sanchez-Céspedes and S. Castillo Díez; Catalan Institute of Oncology, Barcelona, Spain.

Disclaimer

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