



Datasheet for ABIN2780469
anti-SOX4 antibody (N-Term)



[Go to Product page](#)

13 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | SOX4 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Zebrafish (Danio rerio), Horse, Goat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SOX4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human SOX4 |
| Sequence: | STASTGGKAD DPSWCKTPSG HIKRPMNAFM VWSQIERRKI MEQSPDMHNA |
| Specificity: | Peptide immunogen shares 93 % with human SOX11. |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 91%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against SOX4. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|-------------------|---|
| Target: | SOX4 |
| Alternative Name: | SOX4 (SOX4 Products) |
| Background: | <p>SOX4 is 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. It 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: EVI16</p> <p>Protein Interaction Partner: TAF5, UBE2I, ELAVL1, TP53, MDM2, EP300, tat, SDCBP,</p> <p>Protein Size: 474</p> |

Molecular Weight: 47 kDa

Gene ID: 6659

NCBI Accession: [NM_003107](#), [NP_003098](#)

UniProt: [Q06945](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

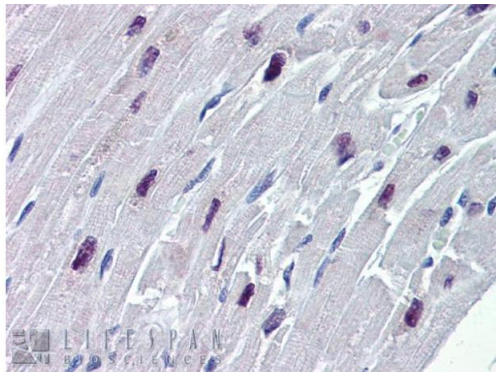
Comment: Antigen size: 474 AA

Restrictions: For Research Use only

Handling

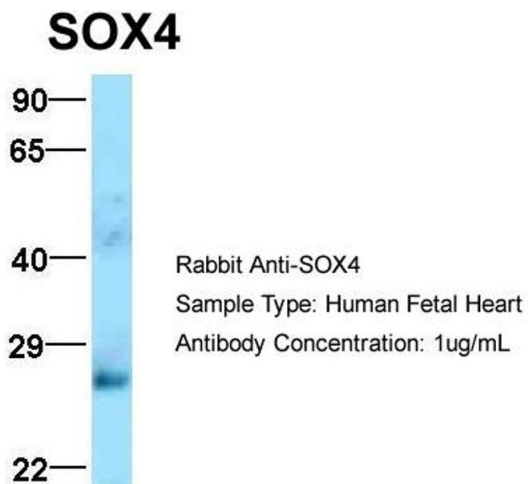
| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Rabbit Anti-SOX4 Antibody
Catalog Number: ARP38234
Lot Number: QC10757
Paraffin Embedded Tissue: Human Heart
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.



Immunohistochemistry

Image 1.

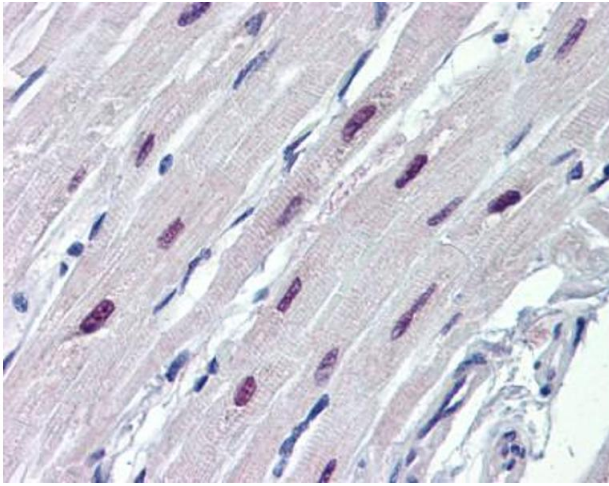
Western Blotting

Image 2. Host: Rabbit

Target Name: SOX4

Sample Tissue: Human Fetal Heart

Antibody Dilution: 1.0 µg/mL



Immunohistochemistry

Image 3. Human Heart

Please check the [product details page](#) for more images. Overall 13 images are available for ABIN2780469.