

Rabbit SOX4 Polyclonal Antibody | anti-SOX4 antibody

SOX4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23462	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Immunohistochemistry, Western Blot

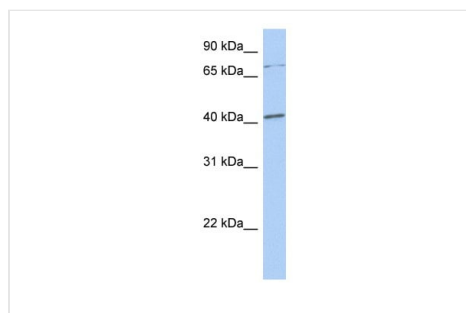
PRODUCT SYNONYMS

SOX4; Polyclonal Antibody; SOX4 antibody - N-terminal region; anti-SOX4 antibody

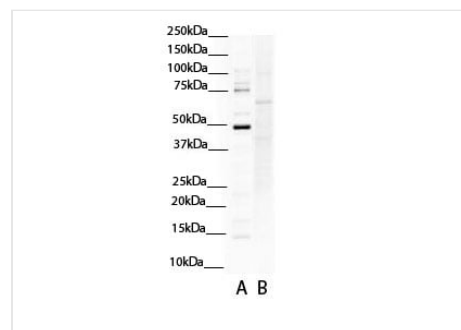
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Specificity	Peptide immunogen shares 93% with human SOX11.
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide localized with the following region: ST ASTGGKADDP SWCKTPSGHI KRPMNAFMVW SQIERRKIME QSPDMHNA
Sequence Length	474
Applicable Applications for anti-SOX4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 91%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SOX4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

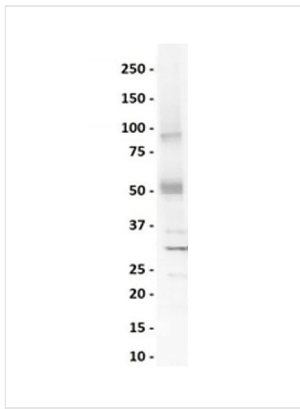
IMAGES


WB (Western Blot)

WB Suggested Anti-SOX4 Antibody Titration: 1 ug/ml Positive Control: Hela cell lysate

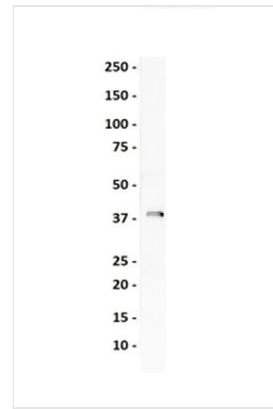

WB (Western Blot)

WB Suggested Anti-SOX4 Antibody Titration: 0.2-1 ug/ml. A: - blocking peptide. B: + blocking peptide.



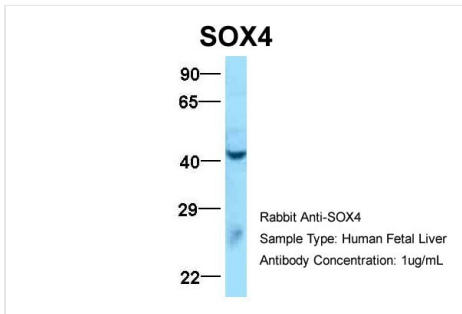
WB (Western Blot)

lane 1: Human Testisprimary antibody:SOX4 antibody - N-terminal region primary antibody
dilution: 1:1000secondary antibody: goat anti-rabbit-HRPsecondary antibody dilution:
1:10,000blocking buffer: 3% milk in TBSTActual Primary Conc (mg/mL): 0.9Expected
Primary Conc (mg/ml): 0.5



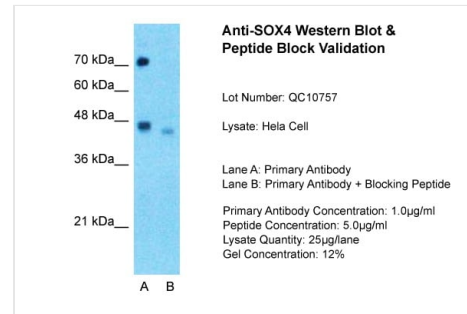
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Primary Conc (mg/ml): 0.5



WB (Western Blot)

Host: RabbitTarget Name: SOX4Sample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: SOX4Sample Type: HeLaLane A: Primary AntibodyLane B:
Primary Antibody + Blocking PeptidePrimary Antibody Concentration: 1ug/mlPeptide
Concentration: 5ug/mlLysate Quantity: 25ug/lane/laneGel Concentration: 0.12

ADDITIONAL INFORMATION

Related Product Information for anti-SOX4 antibody

This is a rabbit polyclonal antibody against SOX4. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: 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.

Product Categories/Family for anti-SOX4 antibody

[Polyclonal](#); [Signal Proteins](#); [Lymphocyte Signaling](#); [Membrane Protein](#); [Transcription Regulation](#); [Developmental Biology](#); [Immunohistochemistry](#); [Receptors](#); [Acetylation](#); [Transcription Factors](#); [Cell Differentiation](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507163
NCBI GeneID	6659

NCBI Accession #	NP_003098
NCBI GenBank Nucleotide #	NM_003107
UniProt Accession #	Q06945
Molecular Weight	47kDa
NCBI Official Full Name	transcription factor SOX-4
NCBI Official Synonym Full Names	SRY-box 4
NCBI Official Symbol	SOX4
NCBI Official Synonym Symbols	EVI16
NCBI Protein Information	transcription factor SOX-4
UniProt Protein Name	Transcription factor SOX-4
UniProt Gene Name	SOX4
UniProt Entry Name	SOX4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sox4-antibody-immunohistochemistry-western-blot-elisa/23462>