

Rabbit SOX2 Polyclonal Antibody | anti-SOX2 antibody

SOX2 antibody - N-terminal region

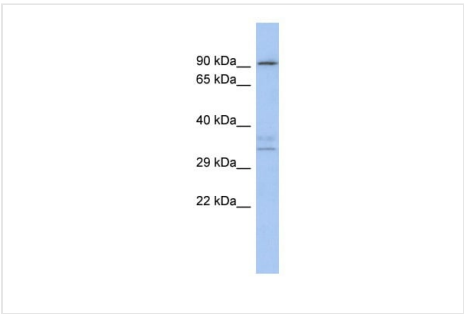
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23389	Rabbit	Cow, Dog, Goat, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; SOX2 antibody - N-terminal region; anti-SOX2 antibody

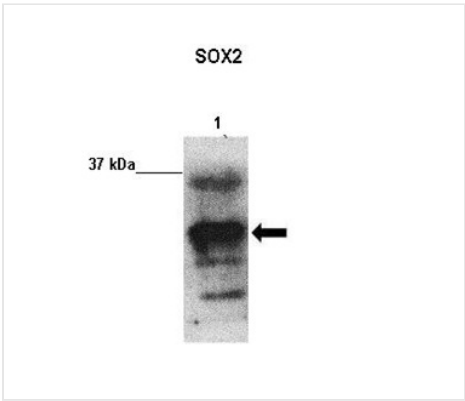
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: MY NMMETELKPP GPQQTSGGGG GNSTAAAAGG NQKNSPDRVK RPMNAFMV
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 91%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SOX2
Protein Size (# AA)	317 amino acids
Protein Interactions	SUMO1; DMAP1; TBX2; SETD7; FAM21A; FZR1; MMS19; MRPS35; ZNF462; LSM2; CCAR2; MIER1; ZDBF2; CHD8; EP400; TSHZ3; RANBP10; ZNF687; XPO5; INTS2; MTA3; CORO1B; CASC5; MRPS22; KCMF1; MEPCE; TRERF1; INTS9; PARVA; SCYL2; CHD7; ZCCHC8; SOX6; BRIX1; SAMD4B; GID8; C
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.



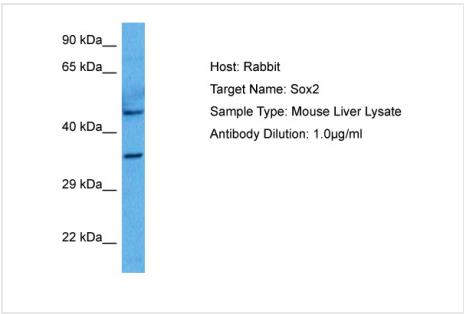
WB (Western Blot)

WB Suggested Anti-SOX2 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:500Positive Control: OVCAR-3 cell lysateThere is BioGPS gene expression data showing that SOX2 is expressed in OVCAR3



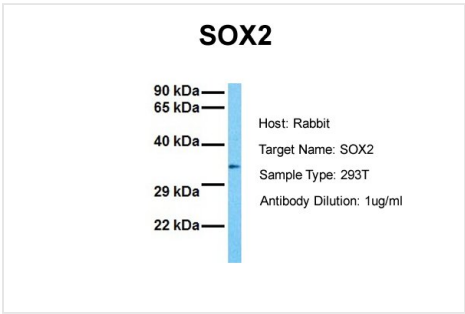
WB (Western Blot)

Sample Type: Lane 1: 20 ug U87 lysatePrimary Antibody Dilution: 1:1000Secondary Antibody: Anti-rabbit-HRPSecondary Antibody Dilution: 1:2000Submitted by: Ander Matheu Fernandez, Biodonostia Institute



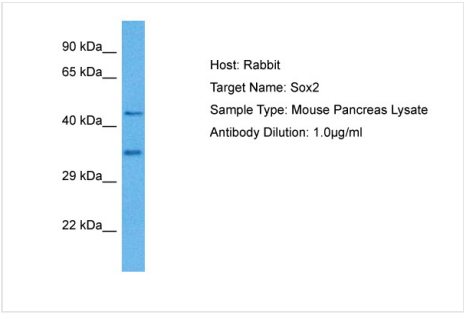
WB (Western Blot)

Host: RabbitTarget Name: SOX2Sample Tissue: Mouse LiverAntibody Dilution: 1ug/ml



WB (Western Blot)

Host: RabbitTarget Name: SOX2Sample Tissue: Human 293TAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: MouseTarget Name: SOX2Sample Tissue: Mouse PancreasAntibody Dilution: 1ug/ml



WB (Western Blot)

Host: MouseTarget Name: SOX2Sample Tissue: Mouse LiverAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody

This is a rabbit polyclonal antibody against SOX2. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: SOX2 is a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The protein may act as a transcriptional activator after forming a protein complex with other proteins. Mutations in this gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation. This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). 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-SOX2 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Developmental Biology; Stem Cells; Disease Related; Immunohistochemistry; Transcription Factors
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28195386
NCBI GeneID	6657
NCBI Accession #	NP_003097
NCBI GenBank Nucleotide #	NM_003106
UniProt Accession #	P48431
Molecular Weight	34kDa
NCBI Official Full Name	transcription factor SOX-2
NCBI Official Synonym Full Names	SRY-box 2
NCBI Official Symbol	SOX2
NCBI Official Synonym Symbols	ANOP3; MCOPS3
NCBI Protein Information	transcription factor SOX-2
UniProt Protein Name	Transcription factor SOX-2
UniProt Gene Name	SOX2
UniProt Entry Name	SOX2_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://stage.aaabiotech.com/polyclonal/sox2-antibody-immunohistochemistry-western-blot-elisa/23389>