

Rabbit anti-Human, Mouse Transcription factor SOX-2 Polyclonal Antibody | anti-SOX2 antibody

Rabbit anti-human Transcription factor SOX-2 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26935	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

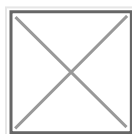
PRODUCT SYNONYMS

Transcription factor SOX-2; Polyclonal Antibody; Rabbit anti-human Transcription factor SOX-2 polyclonal Antibody; SOX2; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

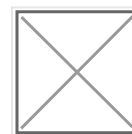
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB:1:500-2000, IHC:1:20-1:200, IF:1:50-1:200
Immunogen	Recombinant human Transcription factor SOX-2 protein
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17319 / sc-17320 / sc-54517 / sc-20088
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with (AAA26935) at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



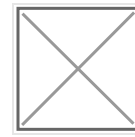
IHC (Immunohistochemistry)

IHC image of (AAA26935) diluted at 1:500 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



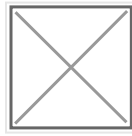
IHC (Immunohistochemistry)

IHC image of (AAA26935) diluted at 1:500 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



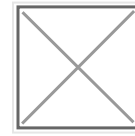
WB (Western Blot)

Western BlotPositive WB detected in:Zebrafish 40ug,20ug,10ugAll lanes: Sox2 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 35 kDaObserved band size: 35 kDa



WB (Western Blot)

Western BlotPositive WB detected in: mouse brainAll lanes: SOX2 antibody at 3.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 34 kDaObserved band size: 34 kDa



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA26935 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody	Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 By similarity. Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal By similarity. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation 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).
Product Categories/Family for anti-SOX2 antibody	Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	28195386
NCBI GeneID	6657
NCBI Accession #	NP_003097.1
NCBI GenBank Nucleotide #	NM_003106.3
UniProt Accession #	P48431 ; Q14537
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

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/transcription-factor-sox-2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/26935>