

anti-Human, Mouse SOX2 Polyclonal Antibody | anti-SOX2 antibody

SOX2 Antibody

CATALOG # AAA111015	REACTIVITY Human, Mouse	APPLICATIONS Immunocytochemistry, Western Blot
-------------------------------	-----------------------------------	--

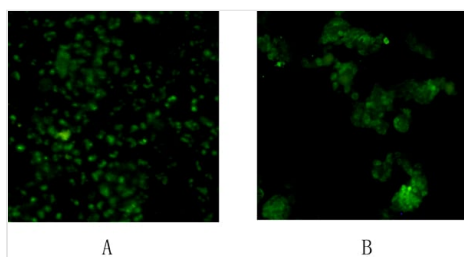
PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; SOX2 Antibody; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

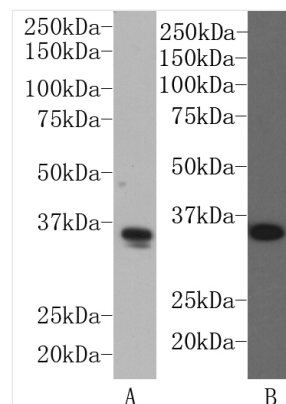
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of SOX2.
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Cellular Localization	Nucleus Cell Nucleus
Positive Control	F9, MCF-7, NCCIT
Preparation and Storage	Store at +4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data

ICC image of SOX2 antibody stained human F9 cells (A) and NCCIT cells (B). The secondary antibody (green) was goat anti-rabbit IgG (H+L) FITC conjugated.



Application Data

Western blot analysis on F9 (A) and MCF-7 (B) cell lysates using anti-SOX2 rabbit polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody	SRY (sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential to maintain self-renewal of undifferentiated embryonic stem cells. Sox2, Oct-4 and Nanog co-operate in this network, and siRNA knockdown of either Sox2 or Oct-4 results in loss of pluripotency. POU5F1/OCT4, SOX2, MYC/c-Myc and KLF4 are the four Yamanaka factors. When combined, these factors are sufficient to reprogram differentiated cells to an embryonic-like state designated iPS (induced pluripotent stem) cells.
Product Categories/Family for anti-SOX2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	1. "Mutations in SOX2 cause anophthalmia."Fantes J., Ragge N.K., Lynch S.-A., McGill N.I., Collin J.R.O., Howard-Peebles P.N., Hayward C., Vivian A.J., Williamson K., van Heyningen V., FitzPatrick D.R.Nat. Genet. 33:461-463(2003). 2. "Induction of pluripotent stem cells from adult human fibroblasts by defined factors."Takahashi K., Tanabe K., Ohnuki M., Narita M., Ichisaka T., Tomoda K., Yamanaka S.Cell 131:861-872(2007).

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
Molecular Weight	33kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sox2-antibody-immunocytochemistry-western-blot-elisa/111015>