

Rabbit SOX2 Polyclonal Antibody | anti-SOX2 antibody

Anti-SOX2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45727	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

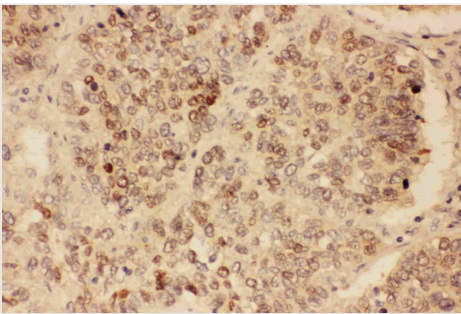
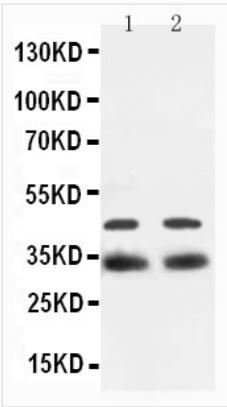
PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; Anti-SOX2 antibody; Transcription factor SOX-2; SRY(sex determining region Y)-box 2; ANOP3 antibody; cb236 antibody; Delta EF2a antibody; lcc antibody; MCOPS3 antibody; MGC148683 antibody; MGC2413 antibody; RGD1565646 antibody; Sex determining region Y box 2 antibody; SOX 2 antibody; Sox2 antibody; SRY(sex determining region Y) box 2 antibody; SRY box containing gene 2 antibody; SRY related HMG box 2 antibody; SRY related HMG box gene 2 antibody; SRY-box 2 antibody; Transcription factor SOX 2 antibody; Transcription factor SOX-2 antibody; ysb antibody; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

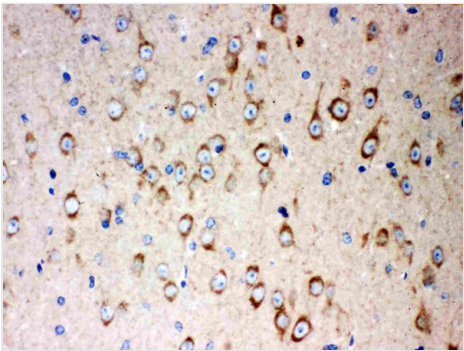
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SOX2 (171-183aa YSMMQDLGYPQH), different from the related mouse and rat sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

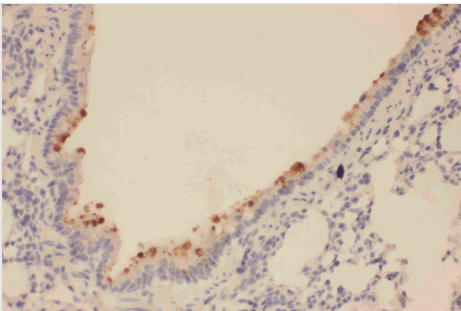


IHC (Immunohistochemisry)
Anti-SOX2 antibody, AAA45727, IHC(P)IHC(P): Human Lung Cancer Tissue

WB (Western Blot)
Anti-SOX2 antibody, AAA45727, All Western blottingAll lanes: Anti-SOX2(AAA45727) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 40ugLane 2: Mouse Brain Tissue Lysate at 40ugPredicted bind size: 34KDObserved bind size: 34KD



IHC (Immunohiostchemistry)
Anti-SOX2 antibody, AAA45727, IHC(P)IHC(P): Mouse Brain Tissue



IHC (Immunohistochemistry)
Anti-SOX2 antibody, AAA45727, IHC(P)IHC(P): Rat Lung Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody

Description: Rabbit IgG polyclonal antibody for Transcription factor SOX-2(SOX2) detection. Tested with WB, IHC- P in Human, Mouse, Rat.

Background: SRY(sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential for maintaining self-renewal, or pluripotency of undifferentiated embryonic stem cells. Sox2 is a member of the Sox family of transcription factors, which have been shown to play key roles in many stages of mammalian development. This gene is mapped to 3q26.33. It is found that SOX2 can regulate OCT3/4 expression and maintains ES pluripotency through upstream transcription factors. SOX2 is identified as a lineage-survival oncogene in lung and esophageal squamous cell carcinoma. In addition to those, SOX2 has a critical role in maintenance of embryonic and neural stem cells and holds great promise in research involving induced pluripotency, an emerging and very promising field of regenerative medicine.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1351091
NCBI GeneID	6657
UniProt Accession #	P48431; Q14537
Molecular Weight	34,310 Da
NCBI Official Full Name	Transcription factor SOX-2
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 2
NCBI Official Symbol	SOX2

NCBI Official Synonym Symbols	ANOP3; MCOPS3
NCBI Protein Information	transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/sox2-antibody-immunohistochemistry-western-blot-elisa/45727>