

Rabbit SOX2 Polyclonal Antibody | anti-SOX2 antibody

SOX2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36760	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

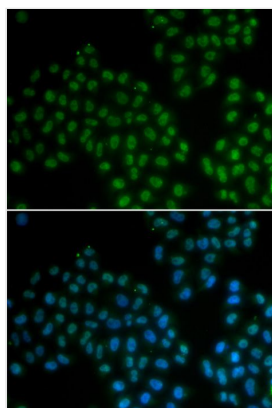
PRODUCT SYNONYMS

SOX2; Polyclonal Antibody; SOX2 Polyclonal Antibody; ANOP3; MCOPS3; MGC2413; anti-SOX2 antibody

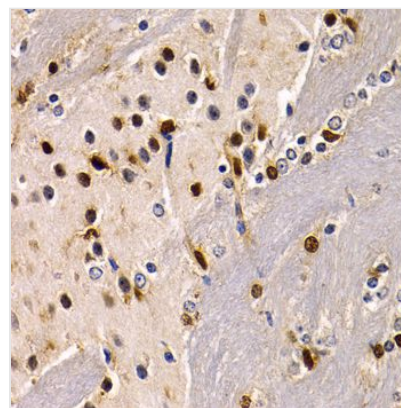
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human SOX2
Calculated Molecular Weight	34kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

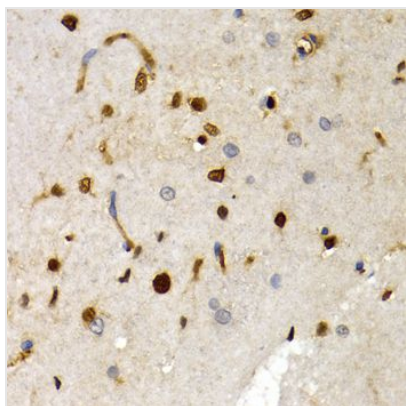
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using SOX2 antibody.

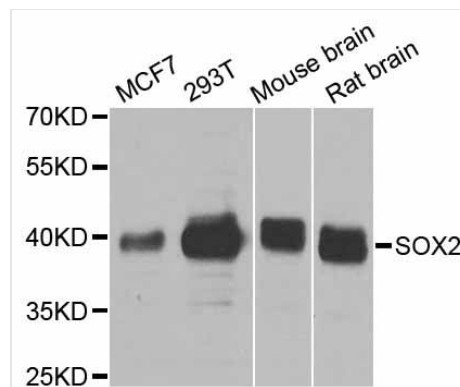

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using SOX2 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using SOX2 antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SOX2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SOX2 antibody	Embryonic stem cells are derived from the inner cell mass of the blastocyst and are unique in their pluripotent capacity and potential for self-renewal. Sox2 is one of a set of transcription factors that are crucial for the maintenance of pluripotency (1). Sox2, Oct-4, and Nanog cooperate in this network (1-3), and siRNA knockdown of either Sox2 or Oct-4 results in loss of pluripotency (4,5). Chromatin immunoprecipitation experiments have shown that Sox2 and Oct-4 bind to thousands of gene regulatory sites, highlighting the importance of these transcription factors in early embryonic development (6,7). It has recently been shown that Sox2 is amplified in lung and esophageal squamous cell tumors (8).
Product Categories/Family for anti-SOX2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1351091
NCBI GeneID	6657
UniProt Accession #	P48431; Q14537
Molecular Weight	317
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sox2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36760>