

Mouse anti-Mouse Sox2 Monoclonal Antibody | anti-SOX2 antibody

Sox2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290509	Mouse	Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Sox2; Monoclonal Antibody; Sox2 Antibody; Purified Mouse Monoclonal Antibody (Mab); ANOP3; cb236; Delta EF2a; lcc; MCOPS3; MGC148683; MGC2413; RGD1565646; Sex determining region Y box 2; SOX 2; SOX2_HUMAN; SRY (sex determining region Y) box 2; SRY box containing gene 2; SRY related HMG box 2; SRY related HMG box gene 2; SRY-box 2; Transcription factor SOX 2; Transcription factor SOX-2; ysb.; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	317
Applicable Applications for anti-SOX2 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Mouse
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



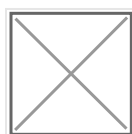
FCM/FACS (Flow Cytometry)

Flow Cytometry analysis of F9 cells stained with Sox2 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.



ICC (Immunocytochemistry)

Immunocytochemistry of COS7 cells using anti-Sox2 mouse mAb diluted 1:150.



WB (Western Blot)

Western blot detection of Sox2 in F9 cell lysates using Sox2 mouse mAb (1:1000 diluted). Predicted band size: 35KDa. Observed band size: 35KDa.

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 (By similarity).
Product Categories/Family for anti-SOX2 antibody	Developmental Biology; Neuroscience; Stem Cells
References	Stevanovic M.,et al.Mamm. Genome 5:640-642(1994). Sadler L.A.,et al.Submitted (DEC-1992) to the EMBL/GenBank/DDBJ databases. Fantes J.,et al.Nat. Genet. 33:461-463(2003). Takahashi K.,et al.Cell 131:861-872(2007). Rigbolt K.T.,et al.Sci. Signal. 4:RS3-RS3(2011).

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	34310
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/monoclonal/sox2-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/290509>