

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

Sox2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320300	Mouse	Mouse	Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Sox2; Monoclonal Antibody; Sox2 Mouse 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
Specificity	This antibody detects endogenous levels of Sox2 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Sox2 antibody	ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified recombinant mouse Sox2 protein fragments expressed in E coli
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



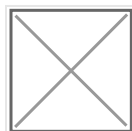
FCM/FACS (Flow Cytometry)

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.



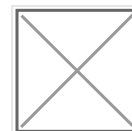
ICC (Immunocytochemistry)

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



WB (Western Blot)

Western blot detection of Sox2 in mES cell lysates using Sox2 antibody(1:1000 diluted).Predicted band size:35KDa.Observed band size:35KDa.Kindly provided by Dr. Qintong Li at the College of Life Sciences. Sichuan University



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	SRY-box 2(SOX2) Homo sapiens 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). [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-Sox2 antibody	Primary Antibodies

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	34kDa
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://stage.aaabiotech.com/monoclonal/sox2-antibody-immunocytochemistry-flow-cytometry-western-blot-elisa/320300>