

Mouse anti-Human SOX2 Antibody | anti-SOX2 antibody

SOX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108816	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

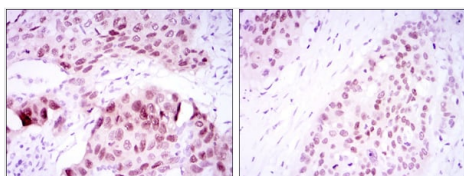
PRODUCT SYNONYMS

SOX2; SOX2 Antibody; lcc; ysb; Sox-2; Sox2; anti-SOX2 antibody

PRODUCT SPECIFICATIONS

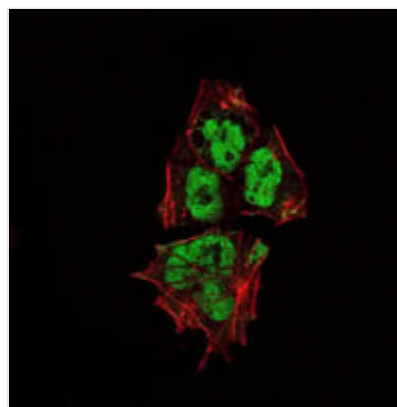
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	10F10
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	319
Applicable Applications for anti-SOX2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human SOX2 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



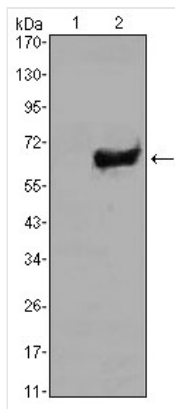
IHC (Immunohistochemistry)

Figure 3: Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and esophageal cancer tissues (right) using SOX2 mouse mAb with DAB staining.



IF (Immunofluorescence)

Figure 2: Immunofluorescence analysis of NTERA-2 cells using SOX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



WB (Western Blot)

Figure 1: Western blot analysis using SOX2 mAb against HEK293 (1) and SOX2-hlgGfc transfected HEK293 (2) cell lysate.

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. Critical for early embryogenesis and for embryonic stem cell pluripotency.
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

NCBI AND UNIPROT INFORMATION

NCBI GI #	127140986
NCBI GeneID	20674
NCBI Accession #	NP_035573.3
NCBI GenBank Nucleotide #	NM_011443.4
UniProt Accession #	P48432
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	lcc; ysb; Sox-2
NCBI Protein Information	transcription factor SOX-2
UniProt Protein Name	Transcription factor SOX-2
UniProt Gene Name	Sox2
UniProt Synonym Gene Names	Sox-2

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.