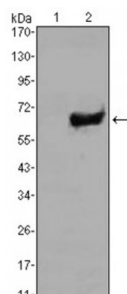


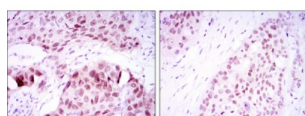
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Sex Determining Region Y Box Protein 2 (SOX2) Antibody

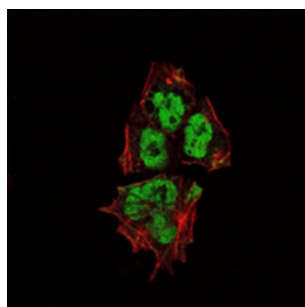
Catalogue No.: abx015998



Western blot analysis using SOX2 antibody against HEK293 (1) and SOX2 (AA: 2-317) - hlgGFc transfected HEK293 (2) cell lysate.



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



Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and esophageal cancer tissues (right) using SOX2 antibody with DAB staining.

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.

Target: SOX2

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Tested Applications: ELISA, WB, IHC, IF/ICC

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

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Immunogen:	Purified recombinant fragment of human SOX2 expressed in E. coli.
Purification:	Unpurified Ascites.
Isotype:	IgG ₁
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	34 kDa
Swiss Prot:	P48431
GeneID:	6657
Gene Symbol:	SOX2
OMIM:	184429
HGNC:	11195
Ensembl:	ENSG00000181449
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Note:	This product is for research use only.